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**APPENDIX B1: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION**

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Date/Time: 2/9/2012 6:05:24 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE850\_low\_chan\_amb\_temp\_23.1C\_liq\_temp\_20.5**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.915$  mho/m;  $\epsilon_r = 40.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.807 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**


Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

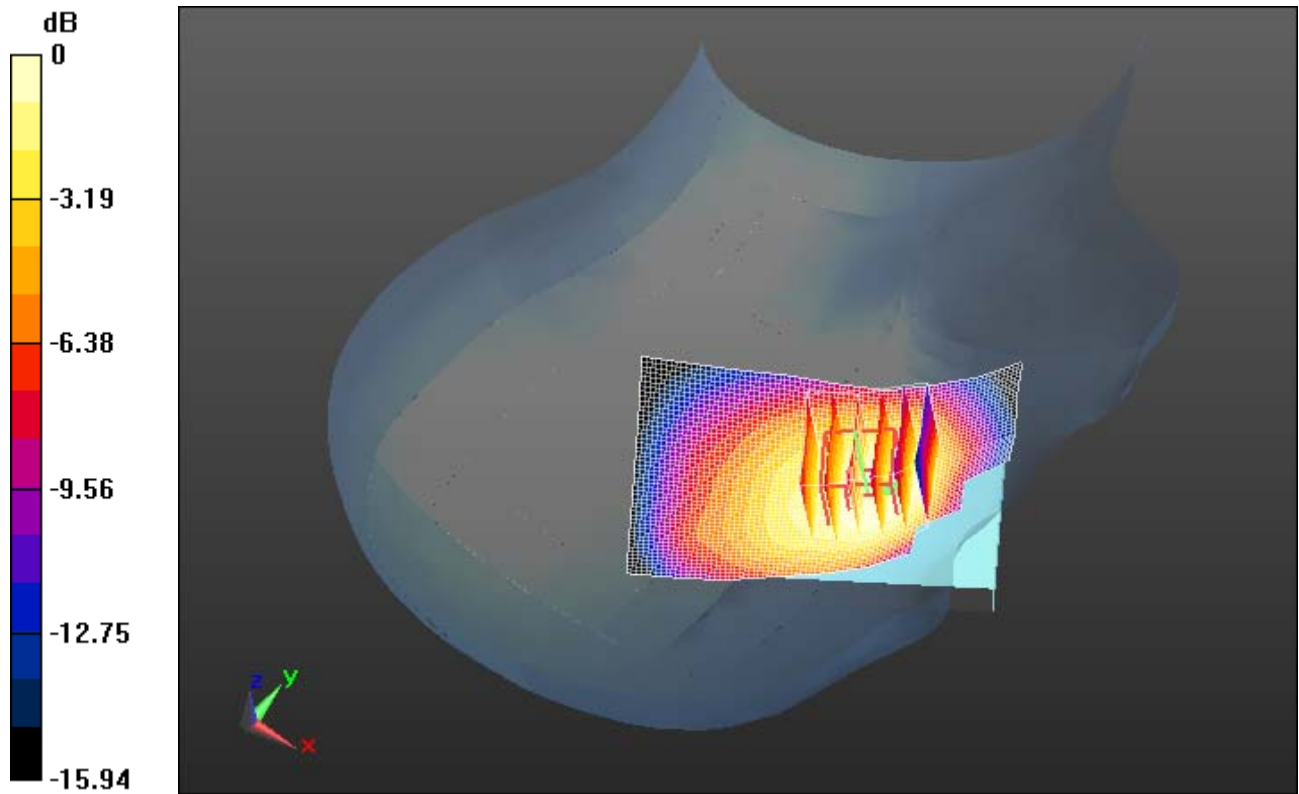
Reference Value = 11.160 V/m; Power Drift = 0.0012 dB

Peak SAR (extrapolated) = 0.9400


**SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.523 mW/g**

Maximum value of SAR (measured) = 0.806 mW/g

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0 dB = 0.810mW/g = -1.83 dB mW/g

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Date/Time: 2/9/2012 5:38:36 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE850\_mid\_chan\_amb\_temp\_23.2C\_liq\_temp\_20.5  
C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15\text{mm}$ ,  $dy=15\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)


Maximum value of SAR (interpolated) = 1.008 mW/g

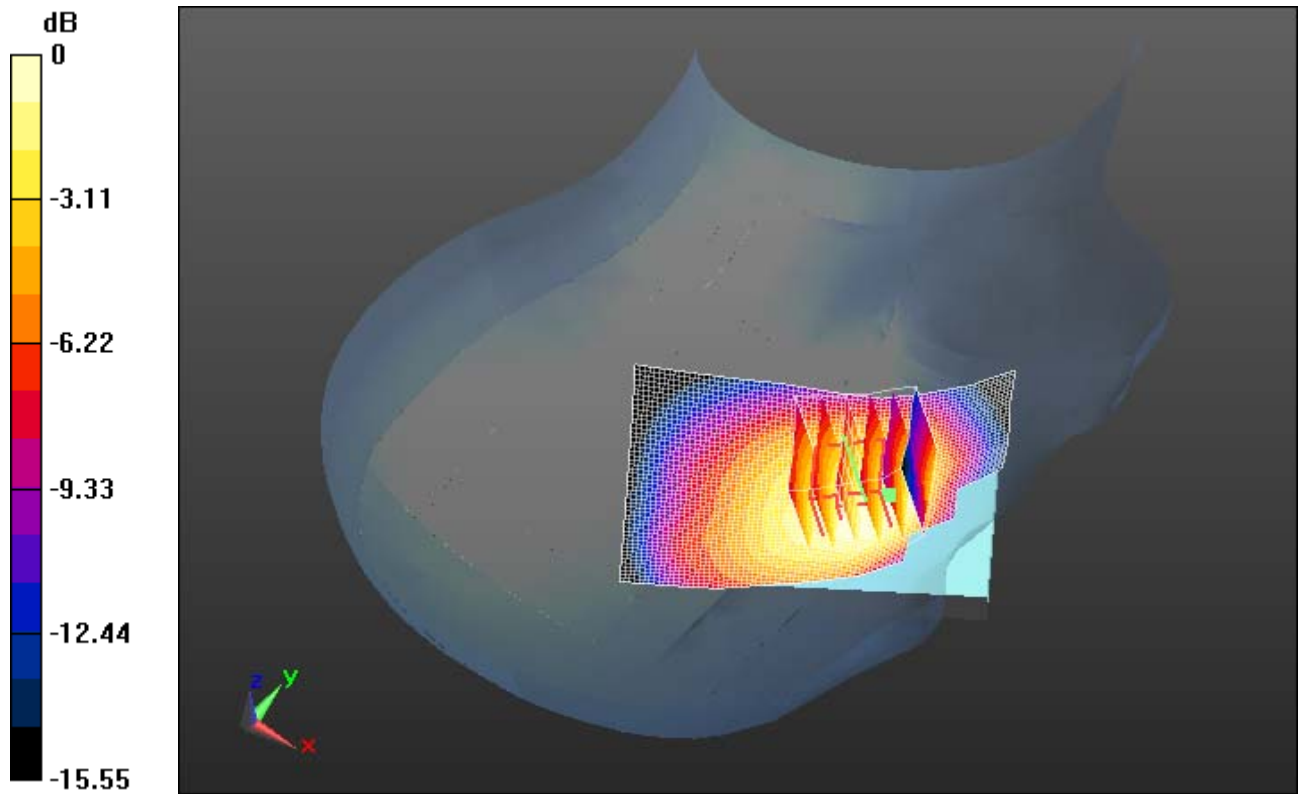
**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 11.331 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 1.1800  
**SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.641 mW/g**


[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.989 mW/g

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0 dB = 0.990mW/g = -0.09 dB mW/g

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Date/Time: 2/9/2012 6:25:38 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE850\_high\_chan\_amb\_temp\_23.2C\_liq\_temp\_20.5  
C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 40.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.174 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 13.059 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 1.3770  
**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.758 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.170 mW/g

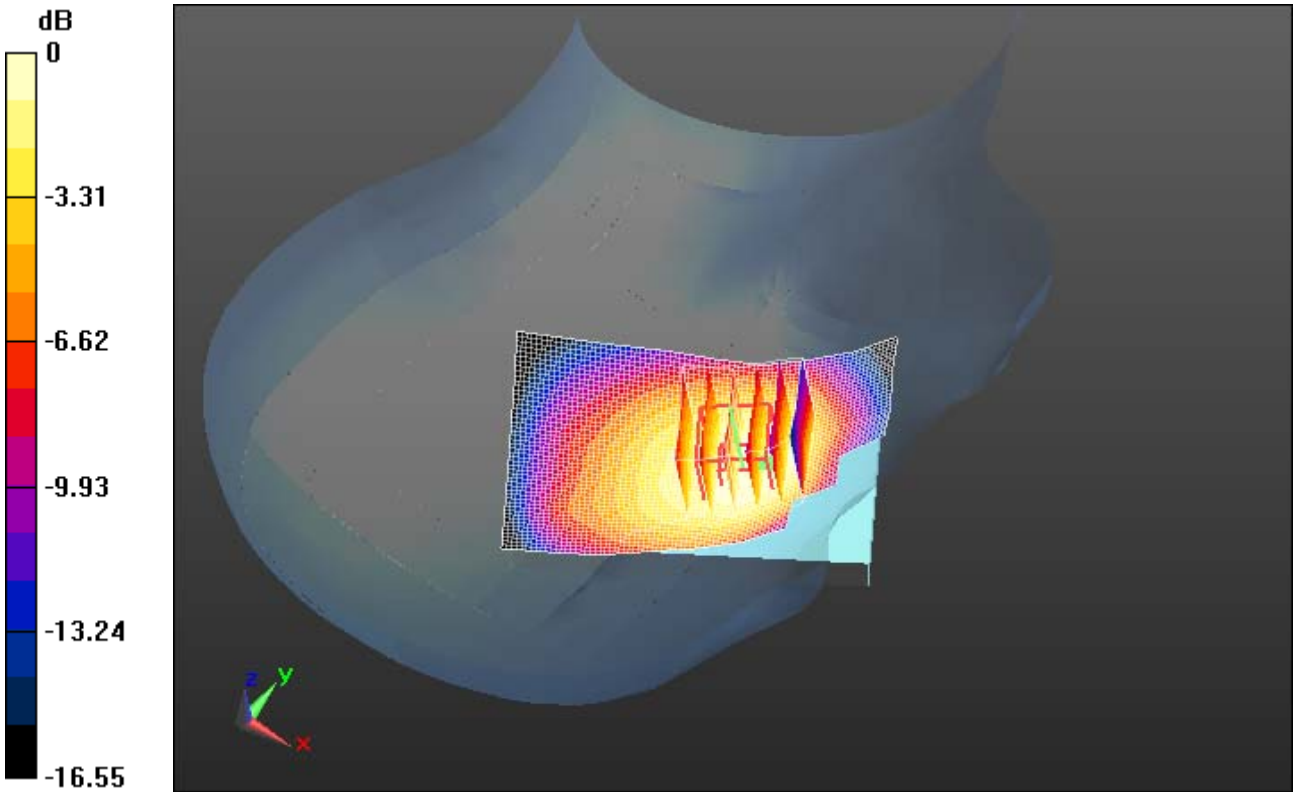
Author Data  
**Andrew Becker**

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Test Report No  
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0 dB = 1.170mW/g = 1.36 dB mW/g

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Date/Time: 2/9/2012 7:55:15 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_EDGE850\_mid\_chan\_amb\_temp\_22.8C\_liq\_temp\_2 0.7C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.468 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 16.667 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.5570  
**SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.314 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.477 mW/g



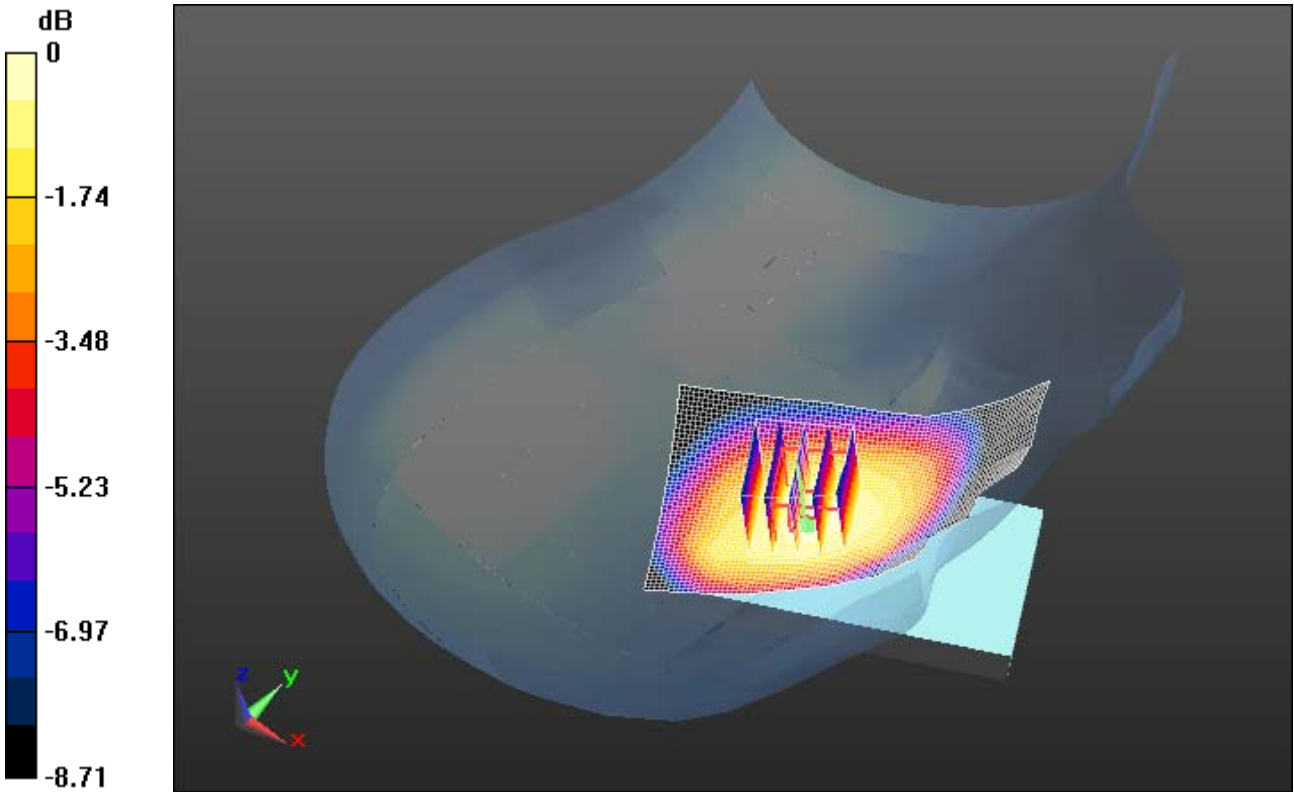
Author Data  
**Andrew Becker**

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0 dB = 0.480mW/g = -6.38 dB mW/g

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Date/Time: 2/9/2012 6:47:47 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_GSM850\_high\_chan\_amb\_temp\_23.1C\_liq\_temp\_20.5C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: GSM 850; Frequency: 848.8 MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 40.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.974 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 11.018 V/m; Power Drift = -0.0023 dB

Peak SAR (extrapolated) = 1.1320

**SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.615 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.966 mW/g

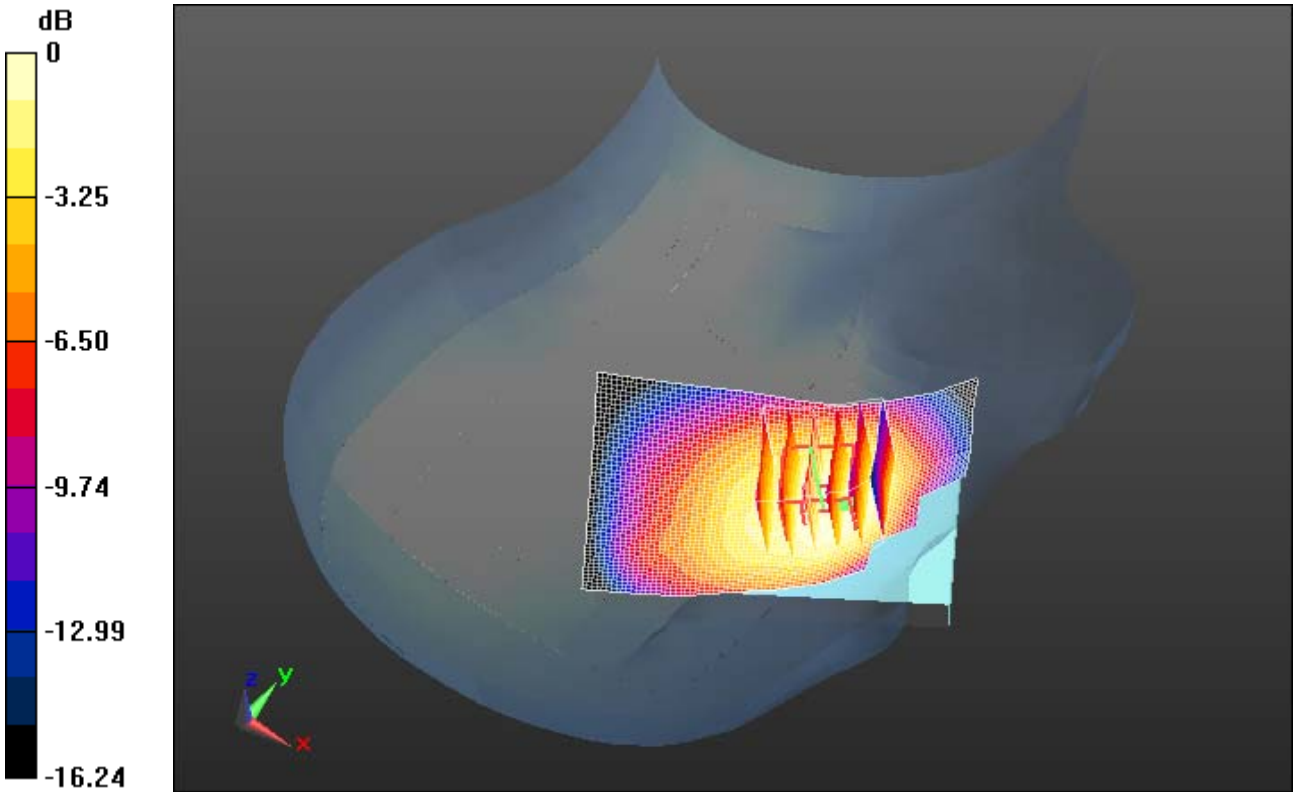
Author Data  
**Andrew Becker**

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0 dB = 0.970mW/g = -0.26 dB mW/g

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Date/Time: 2/9/2012 3:51:38 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE850\_low\_chan\_amb\_temp\_23.4C\_liq\_temp\_20.7C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz  
Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.915$  mho/m;  $\epsilon_r = 40.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.767 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 9.875 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.8990

**SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.488 mW/g**

Maximum value of SAR (measured) = 0.757 mW/g

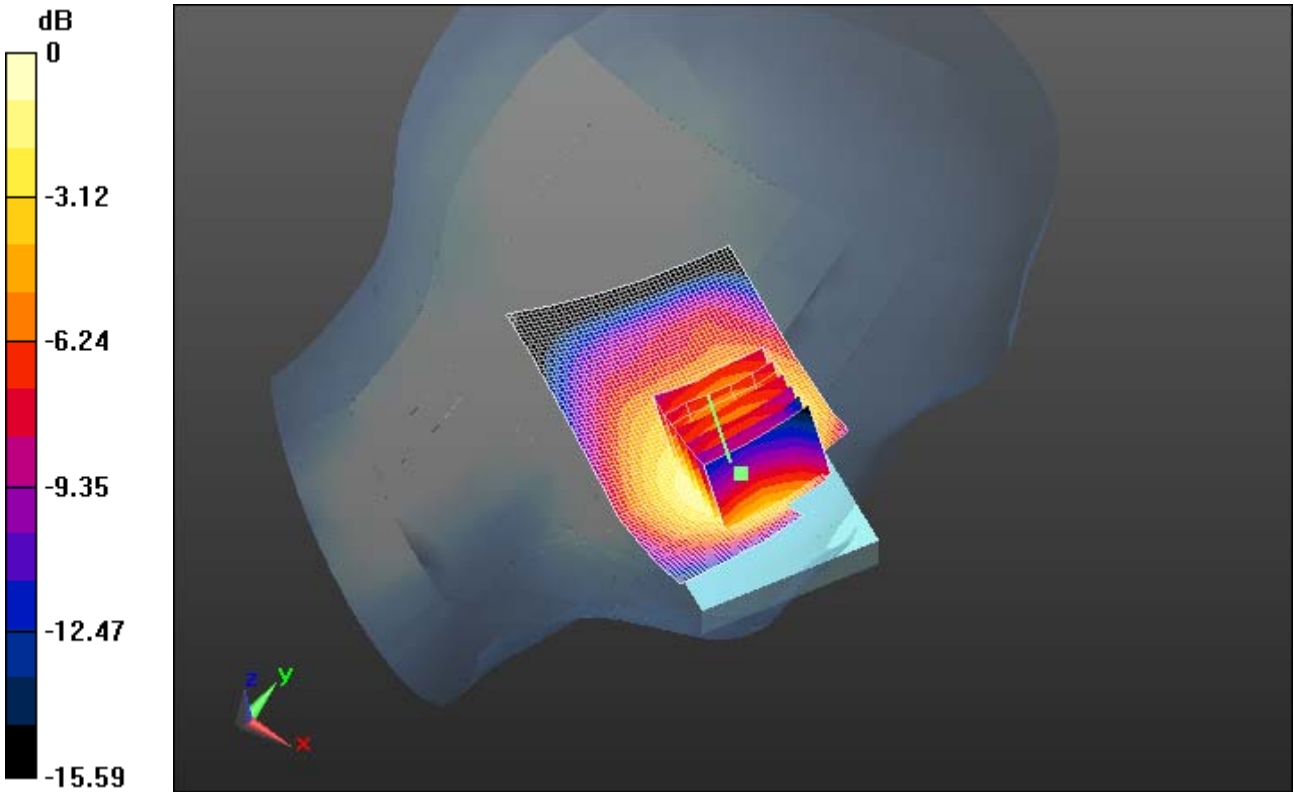
Author Data  
**Andrew Becker**

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0 dB = 0.760mW/g = -2.38 dB mW/g

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Date/Time: 2/9/2012 3:30:10 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE850\_mid\_chan\_amb\_temp\_23.5C\_liq\_temp\_20.6C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.912 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 10.643 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.0690  
**SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.573 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.887 mW/g

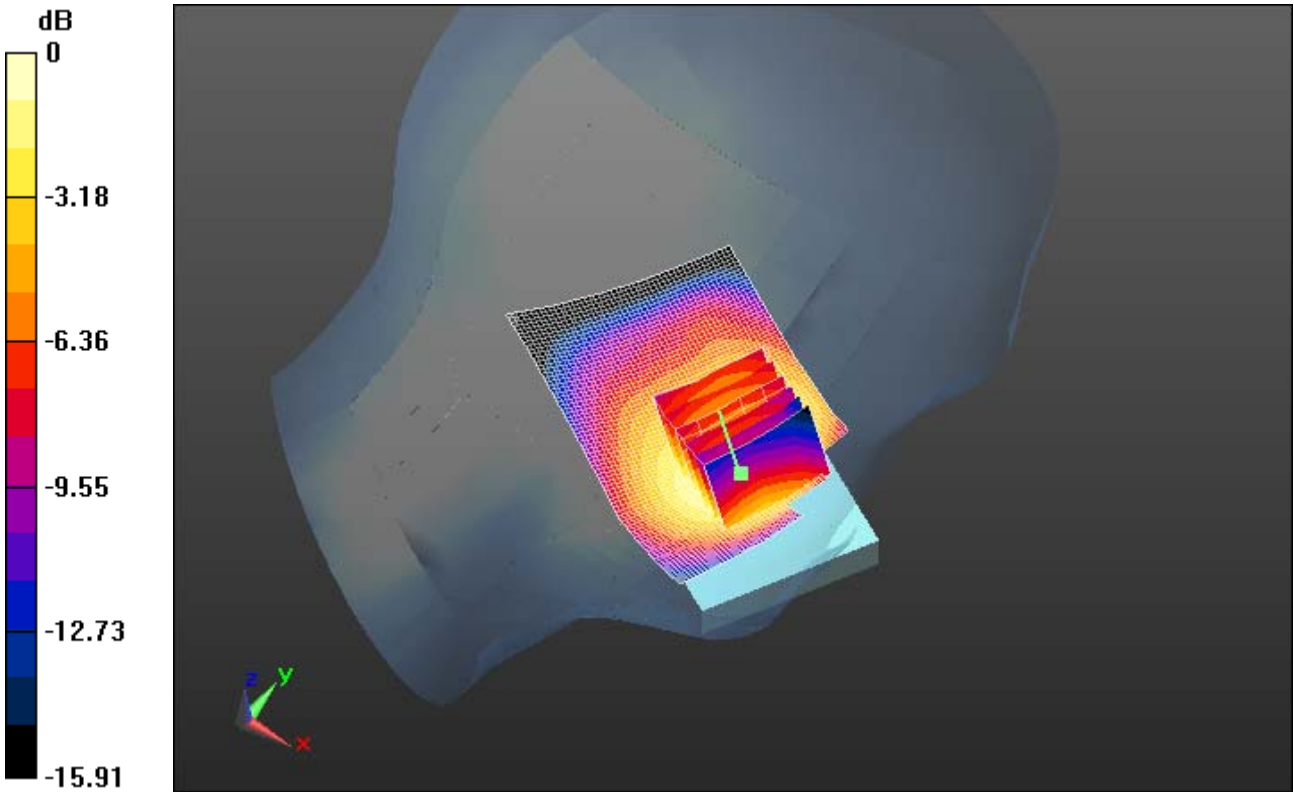
Author Data  
**Andrew Becker**

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0 dB = 0.890mW/g = -1.01 dB mW/g

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Date/Time: 2/9/2012 4:11:00 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE850\_high\_chan\_amb\_temp\_23.5C\_liq\_temp\_20.6C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 40.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.115 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 11.411 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 1.3050  
**SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.702 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.102 mW/g



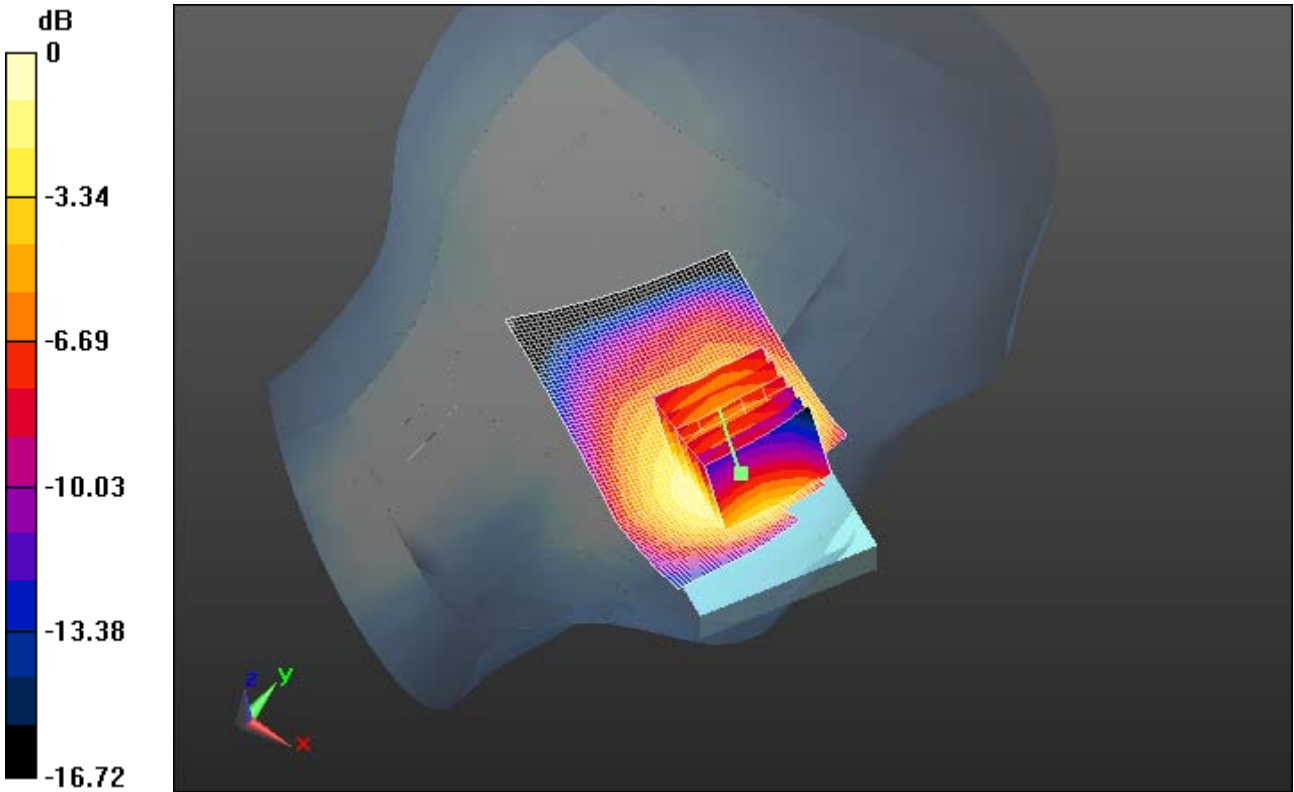
Author Data  
**Andrew Becker**

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0 dB = 1.100mW/g = 0.83 dB mW/g

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Date/Time: 2/9/2012 4:42:02 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_EDGE850\_mid\_chan\_amb\_temp\_23.2C\_liq\_temp\_20  
.5C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.552 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 17.889 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.6320  
**SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.367 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.546 mW/g

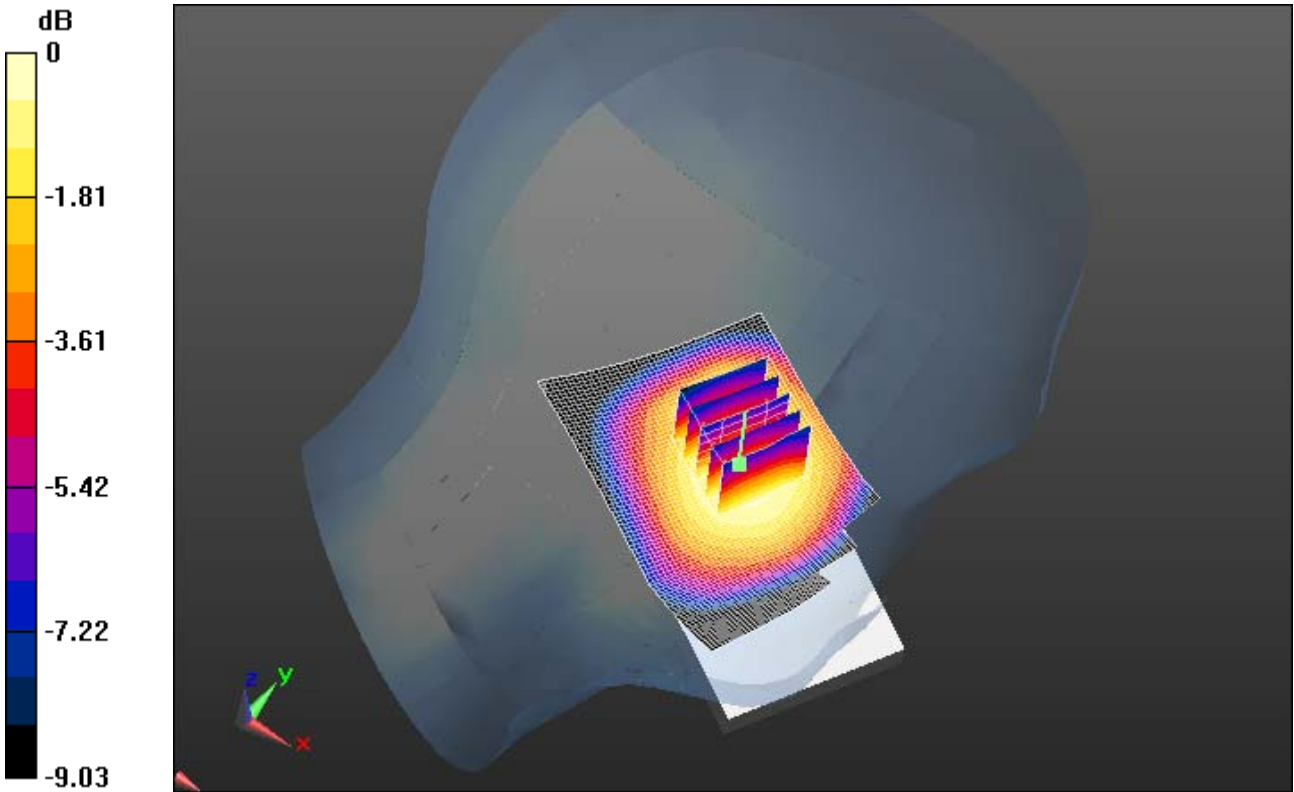
Author Data  
**Andrew Becker**

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**L6AREV70UW**

IC ID  
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0 dB = 0.550mW/g = -5.19 dB mW/g

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Date/Time: 2/9/2012 5:04:39 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_GSM850\_high\_chan\_amb\_temp\_23.4C\_liq\_temp\_20.7C

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: GSM 850; Frequency: 848.8 MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 40.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.938 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 10.812 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 1.0740

**SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.586 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.910 mW/g

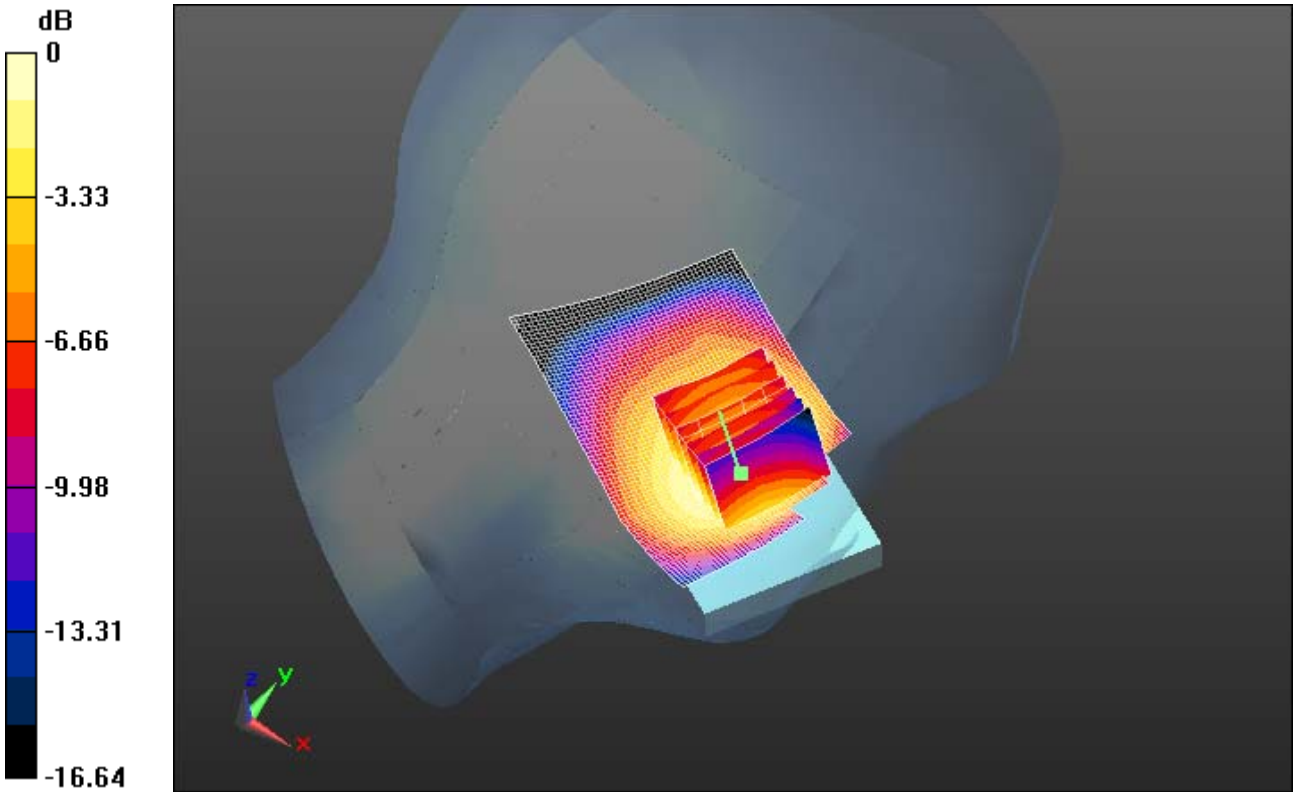
Author Data  
**Andrew Becker**

Dates of Test  
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**RTS-5992-1203-12**

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**L6AREV70UW**

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0 dB = 0.910mW/g = -0.82 dB mW/g

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Test Laboratory: RIM Testing Services

## RightHandSide\_UMTS\_V\_low\_chan\_amb\_temp\_23.1C\_liq\_temp\_20.6C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD V; Frequency: 826.4 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 40.907$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.694 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 9.781 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.8150

**SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.448 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.687 mW/g

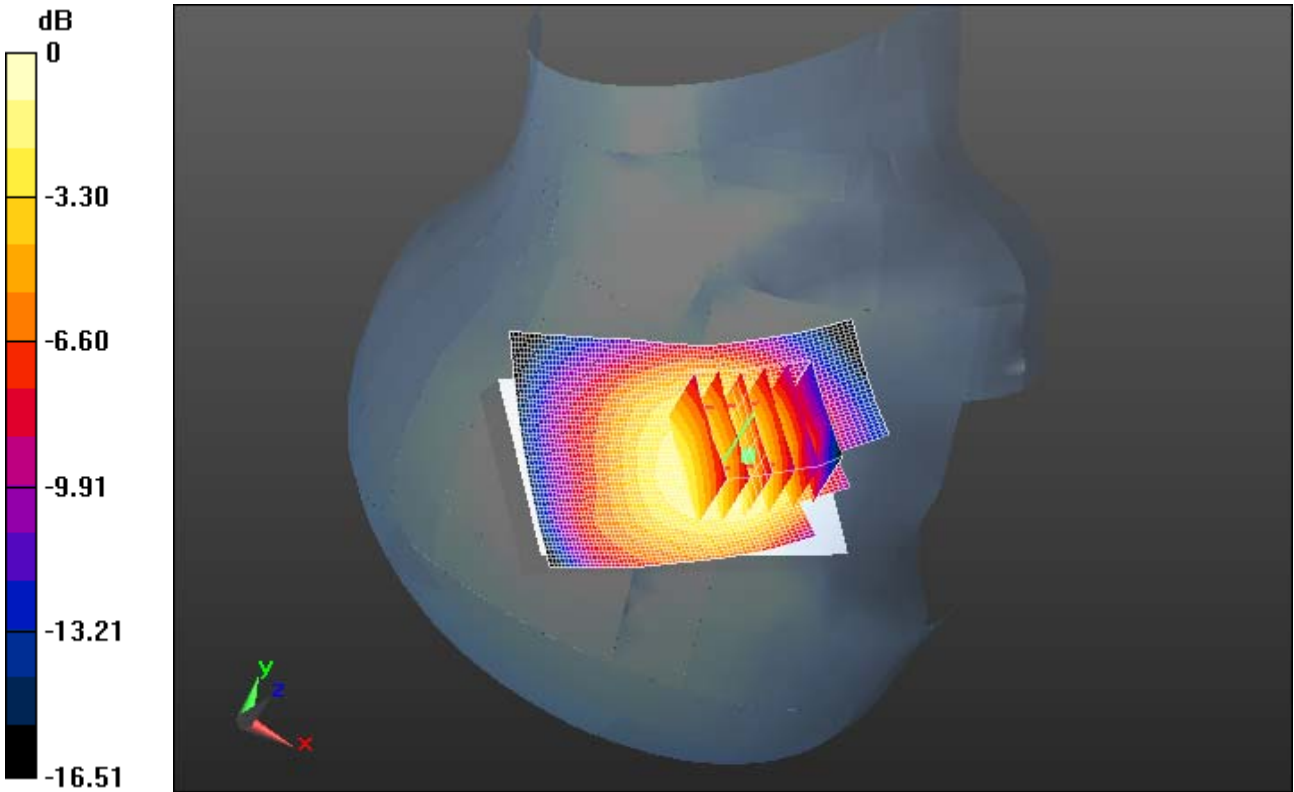
Author Data  
**Andrew Becker**

Dates of Test  
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Test Report No  
**RTS-5992-1203-12**

FCC ID:  
**L6AREV70UW**

IC ID  
**2503A-REV70UW**



0 dB = 0.690mW/g = -3.22 dB mW/g

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Test Laboratory: RIM Testing Services

## RightHandSide\_UMTS\_V\_mid\_chan\_amb\_temp\_22.9C\_liq\_temp\_20.5C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.901 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 12.121 V/m; Power Drift = 0.0043 dB

Peak SAR (extrapolated) = 1.0560

**SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.583 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.896 mW/g



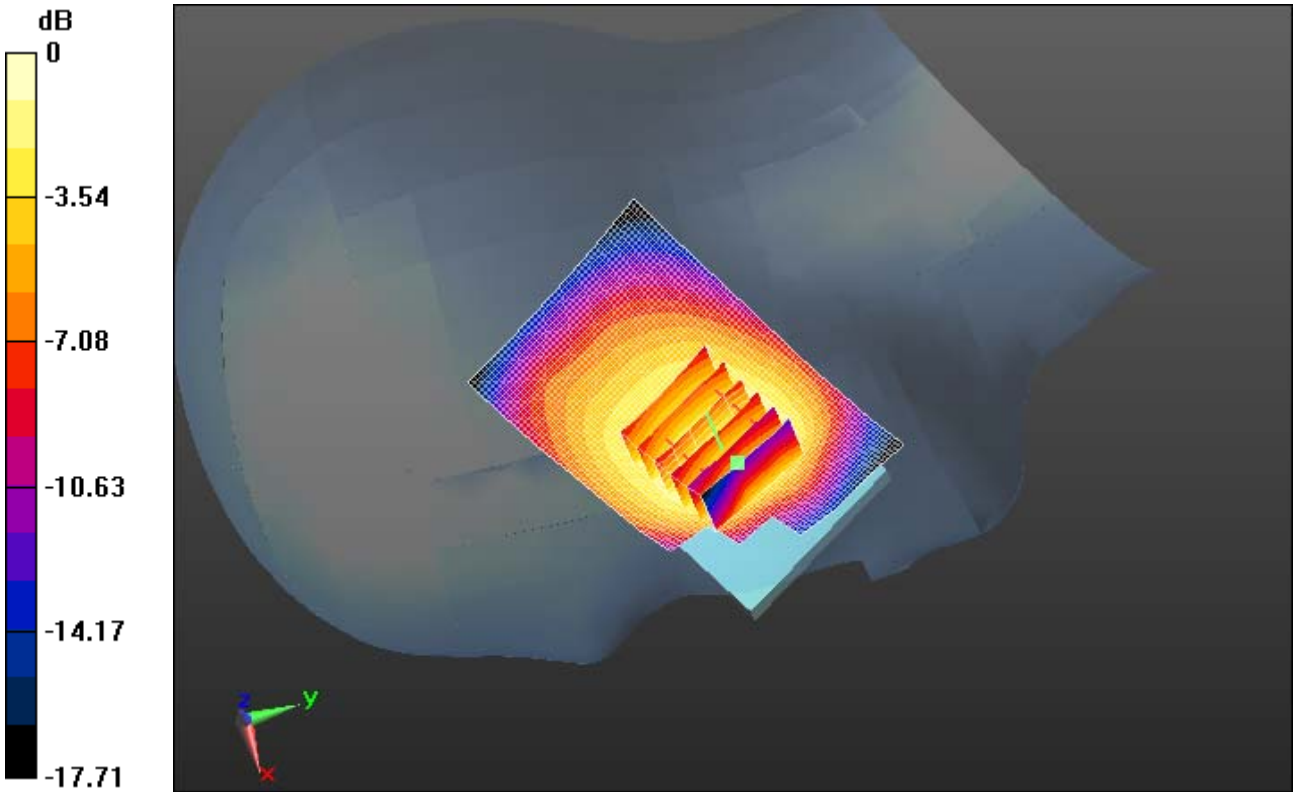
Author Data  
**Andrew Becker**

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0 dB = 0.900mW/g = -0.92 dB mW/g

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Test Laboratory: RIM Testing Services

**RightHandSide\_UMTS\_V\_high\_chan\_amb\_temp\_23.0C\_liq\_temp\_20.7  
C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD V; Frequency: 846.6 MHz  
Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 40.655$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.939 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 10.795 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 1.1150  
**SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.605 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.933 mW/g

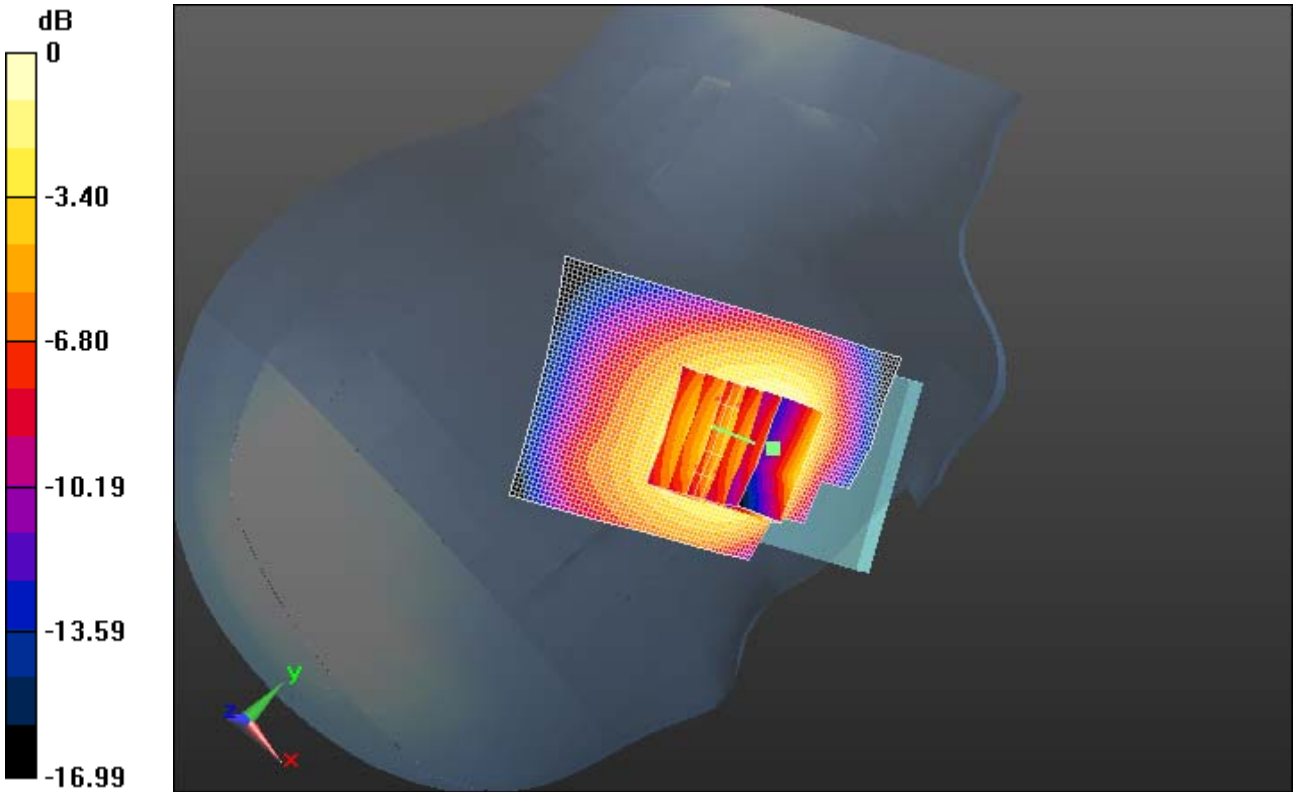
Author Data  
**Andrew Becker**

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0 dB = 0.930mW/g = -0.63 dB mW/g

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Date/Time: 2/10/2012 1:34:51 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_UMTS\_Band\_V\_mid\_chan\_amb\_temp\_22.9C\_liq\_tem  
mp\_20.7C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz  
Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.499 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 17.675 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.5680  
**SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.330 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.492 mW/g

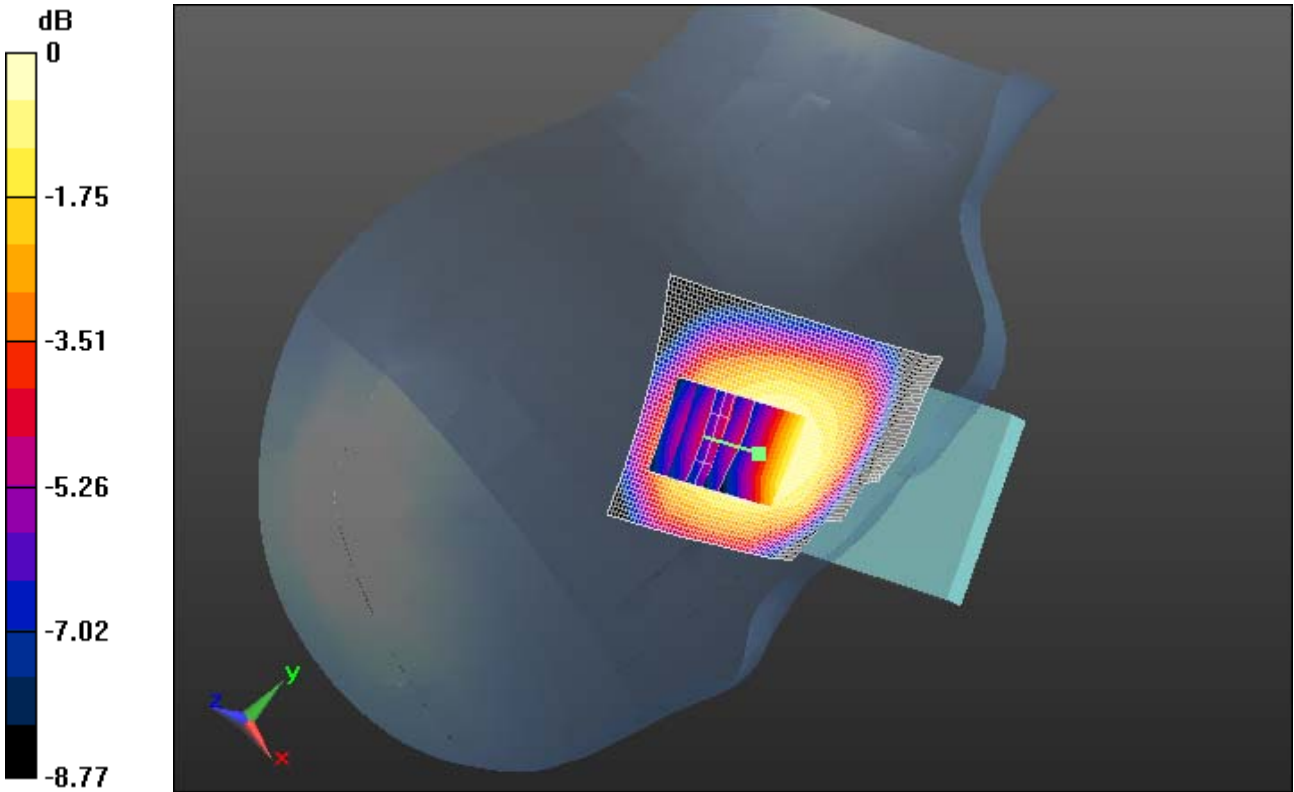
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.490mW/g = -6.20 dB mW/g

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Date/Time: 2/10/2012 12:22:17 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_UMTS\_Band\_V\_mid\_chan\_amb\_temp\_22.8C\_liq\_temp\_2 0.8C

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.848 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.451 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.9610

**SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.529 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.828 mW/g

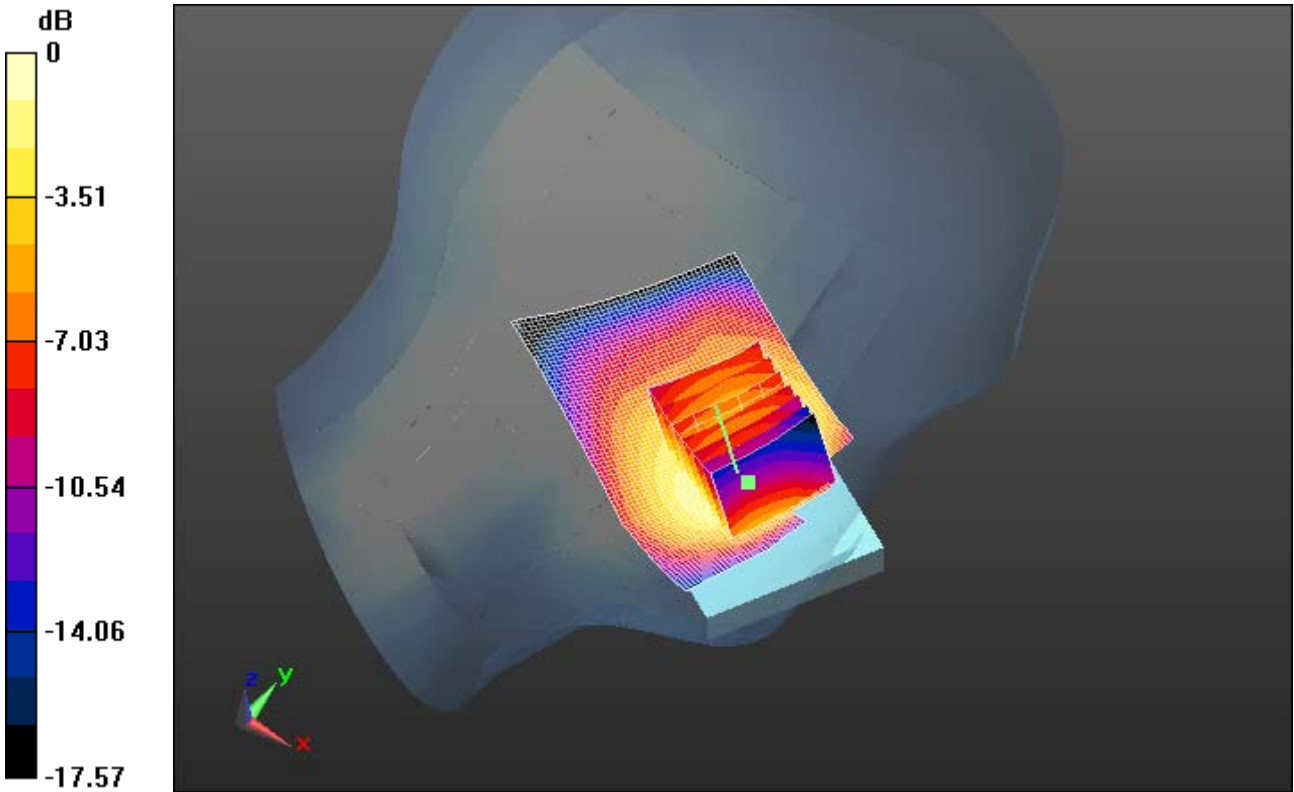
Author Data  
**Andrew Becker**

Dates of Test  
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**RTS-5992-1203-12**

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**2503A-REV70UW**



0 dB = 0.830mW/g = -1.62 dB mW/g

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Date/Time: 2/10/2012 1:13:13 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_UMTS\_Band\_V\_mid\_chan\_amb\_temp\_22.9C\_liq\_temp\_20.6C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz  
Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.929$  mho/m;  $\epsilon_r = 40.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.447 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 16.467 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 0.5100  
**SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.297 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.441 mW/g



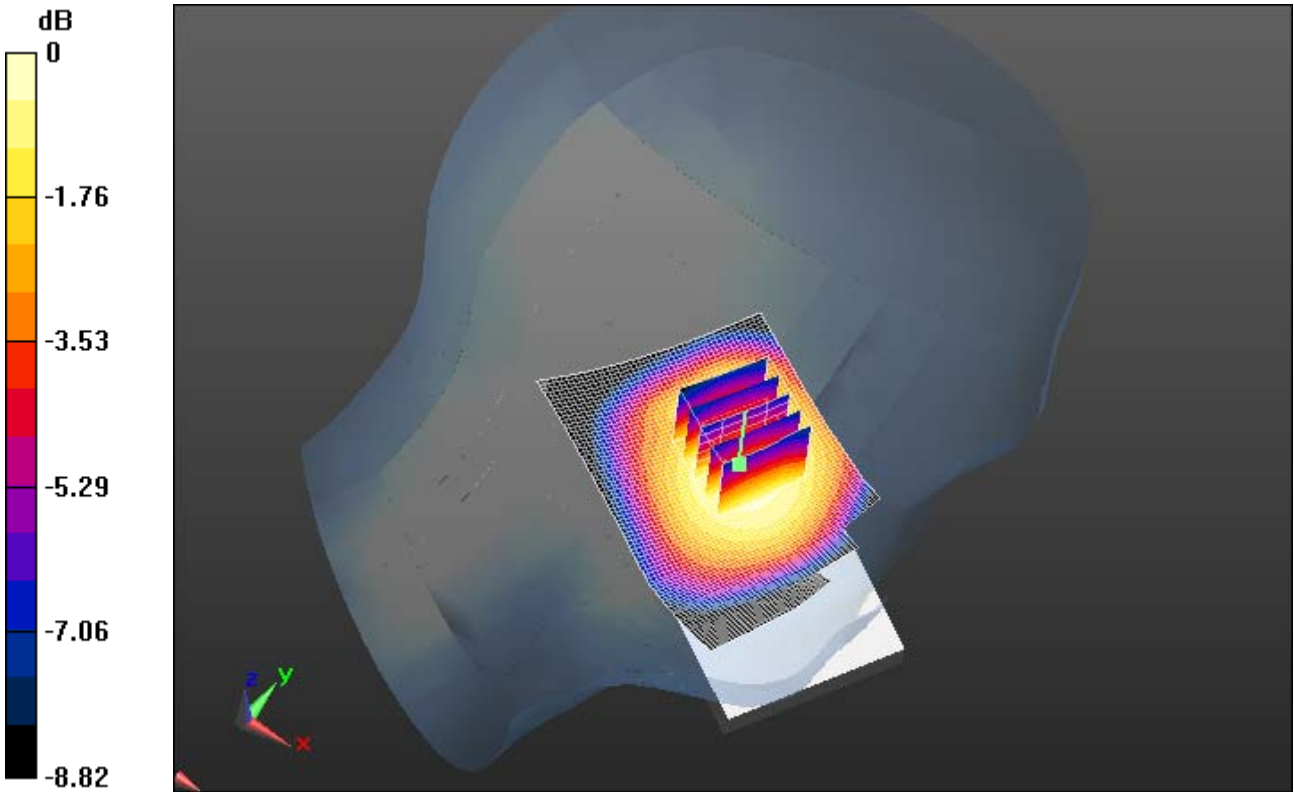
Author Data  
**Andrew Becker**

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0 dB = 0.440mW/g = -7.13 dB mW/g

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Date/Time: 2/6/2012 10:38:41 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_low\_chan\_amb\_temp\_23.0C\_liq\_temp\_20.1  
C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 1900; Frequency: 1850.2 MHz  
Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.334$  mho/m;  $\epsilon_r = 40.755$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.021 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 12.074 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 1.3030  
**SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.589 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.033 mW/g

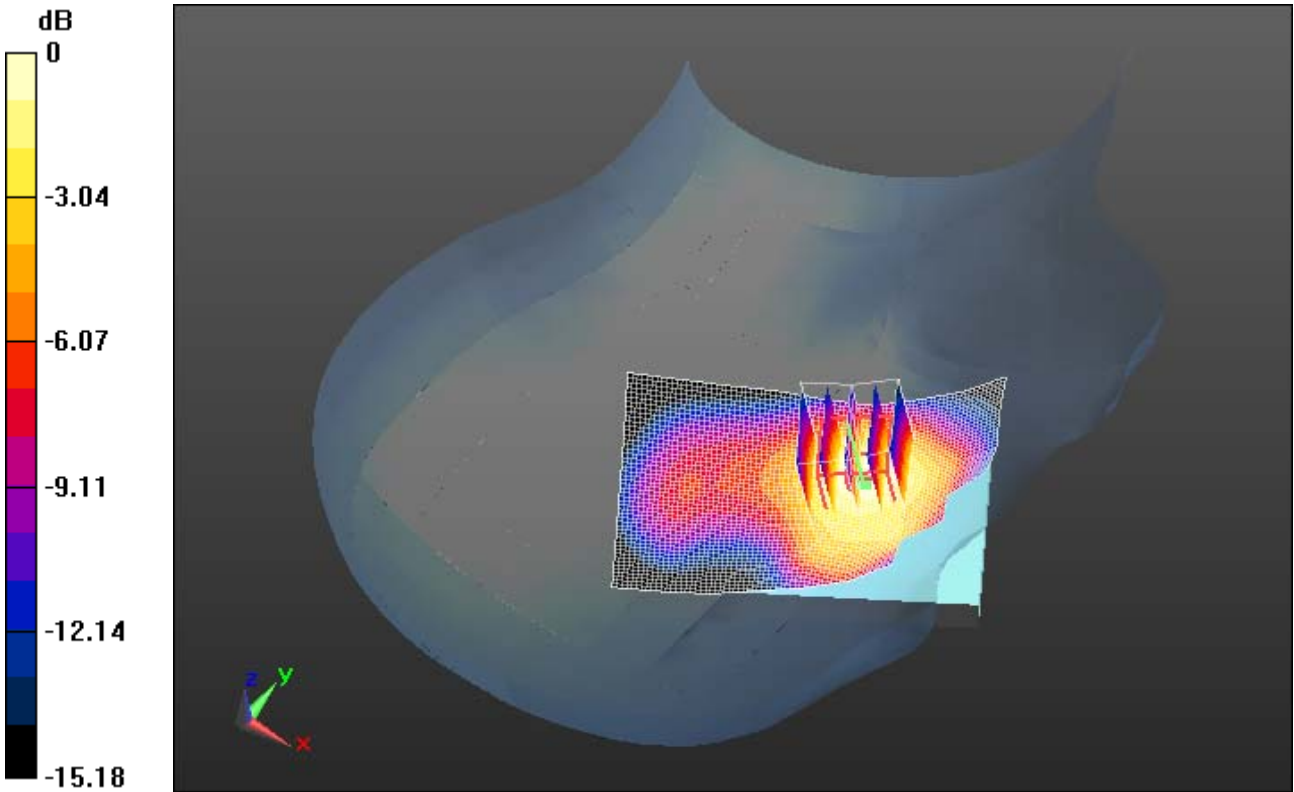
Author Data  
**Andrew Becker**

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0 dB = 1.030mW/g = 0.26 dB mW/g

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Date/Time: 2/6/2012 10:19:11 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_mid\_chan\_amb\_temp\_23.0C\_liq\_temp\_20.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 1900; Frequency: 1880 MHz  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (interpolated) = 0.997 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**  
Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 12.796 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 1.2970  
**SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.569 mW/g**  
Maximum value of SAR (measured) = 0.956 mW/g

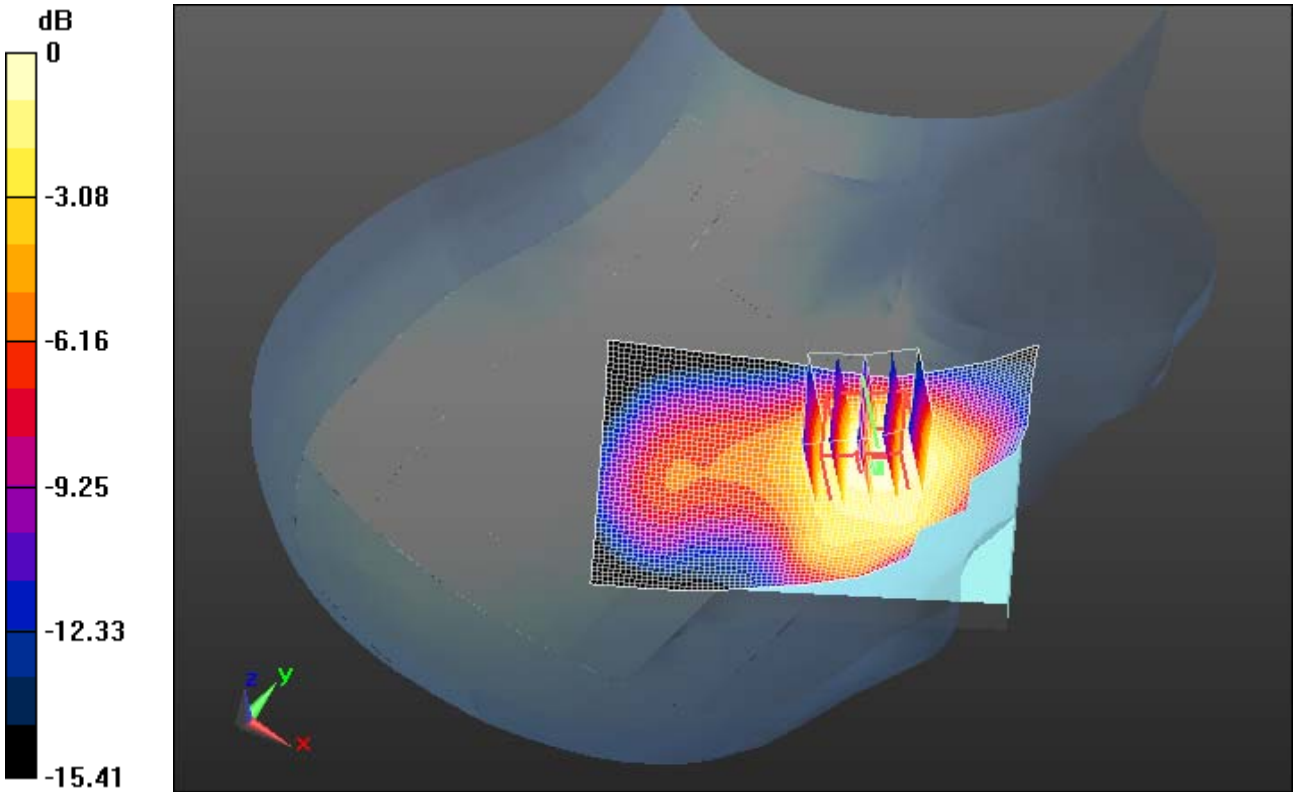
Author Data  
**Andrew Becker**

Dates of Test  
**February 06 – March 6 , 2012**


Test Report No  
**RTS-5992-1203-12**

FCC ID:  
**L6AREV70UW**

IC ID  
**2503A-REV70UW**



0 dB = 0.960mW/g = -0.35 dB mW/g

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Date/Time: 2/6/2012 10:52:57 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_high\_chan\_amb\_temp\_22.9C\_liq\_temp\_20.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 1900; Frequency: 1909.8 MHz  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.454$  mho/m;  $\epsilon_r = 40.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (interpolated) = 1.000 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**  
Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 12.826 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 1.3230  
**SAR(1 g) = 0.920 mW/g; SAR(10 g) = 0.572 mW/g**  
Maximum value of SAR (measured) = 0.989 mW/g

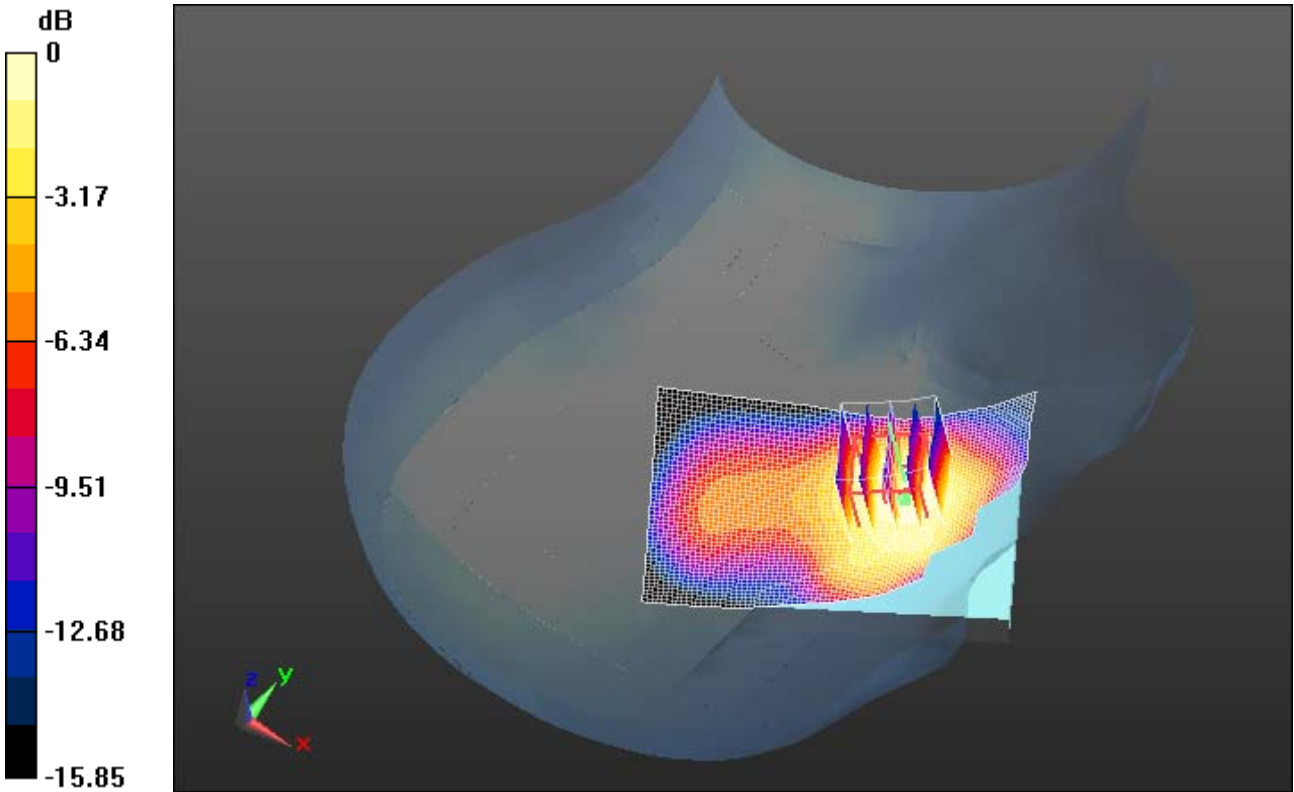
Author Data  
**Andrew Becker**

Dates of Test  
**February 06 – March 6 , 2012**


Test Report No  
**RTS-5992-1203-12**

FCC ID:  
**L6AREV70UW**

IC ID  
**2503A-REV70UW**



0 dB = 0.990mW/g = -0.09 dB mW/g

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Date/Time: 2/6/2012 11:22:33 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_EDGE1900\_mid\_chan\_amb\_temp\_22.9C\_liq\_temp\_20.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: EDGE 1900; Frequency: 1880 MHz  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (interpolated) = 0.454 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**  
Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 17.967 V/m; Power Drift = 0.0048 dB  
Peak SAR (extrapolated) = 0.5290  
**SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.246 mW/g**  
Maximum value of SAR (measured) = 0.410 mW/g



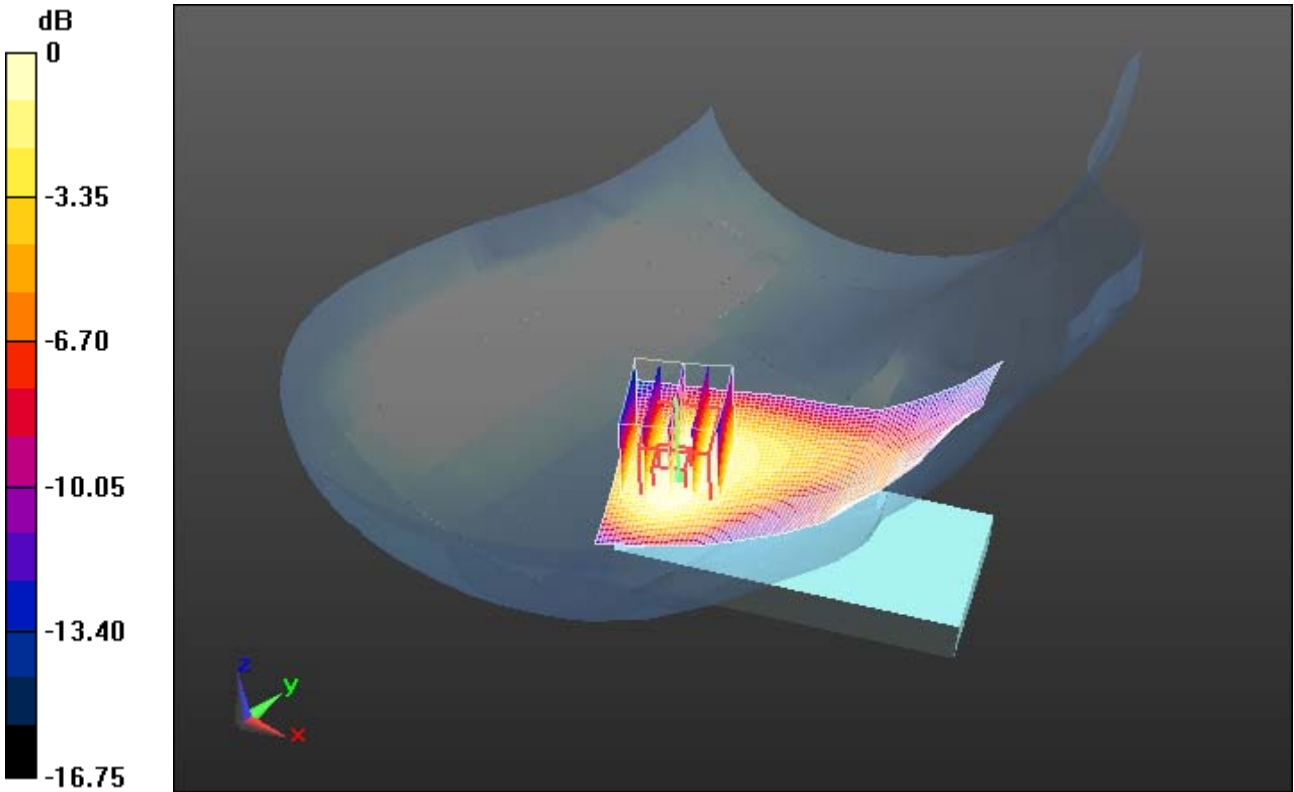
Author Data  
**Andrew Becker**

Dates of Test  
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Test Report No  
**RTS-5992-1203-12**

FCC ID:  
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0 dB = 0.410mW/g = -7.74 dB mW/g

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Date/Time: 2/6/2012 11:38:51 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_GSM1900\_low\_chan\_amb\_temp\_23.0C\_liq\_temp\_20.1  
C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: GSM 1900; Frequency: 1850.2 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.334$  mho/m;  $\epsilon_r = 40.755$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.898 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm


Reference Value = 11.026 V/m; Power Drift = -0.01 dB

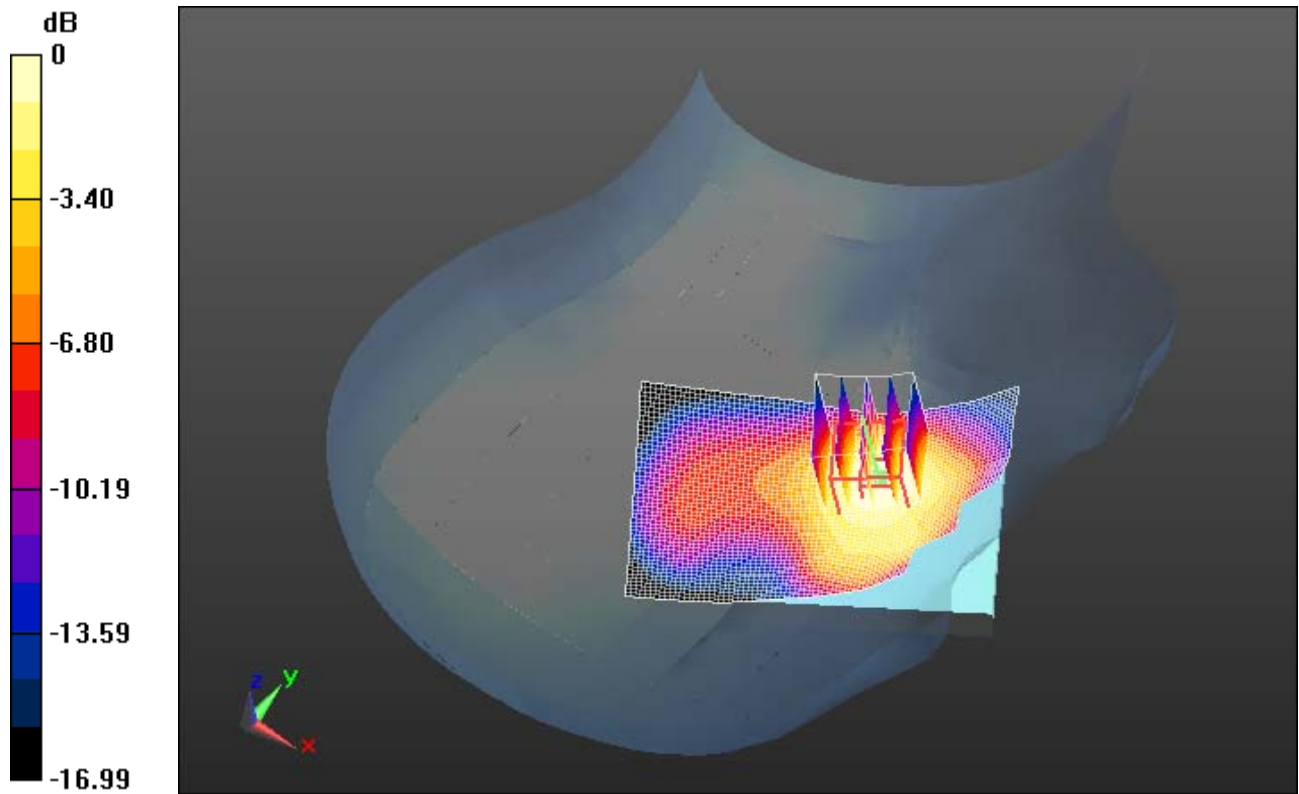
Peak SAR (extrapolated) = 1.1120

**SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.504 mW/g**


[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.860 mW/g

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0 dB = 0.860mW/g = -1.31 dB mW/g

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Date/Time: 2/6/2012 9:29:50 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE1900\_mid\_chan\_amb\_temp\_22.8C\_liq\_temp\_20.1  
C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: EDGE 1900; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.866 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 10.565 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.0810

**SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.521 mW/g**

Maximum value of SAR (measured) = 0.841 mW/g

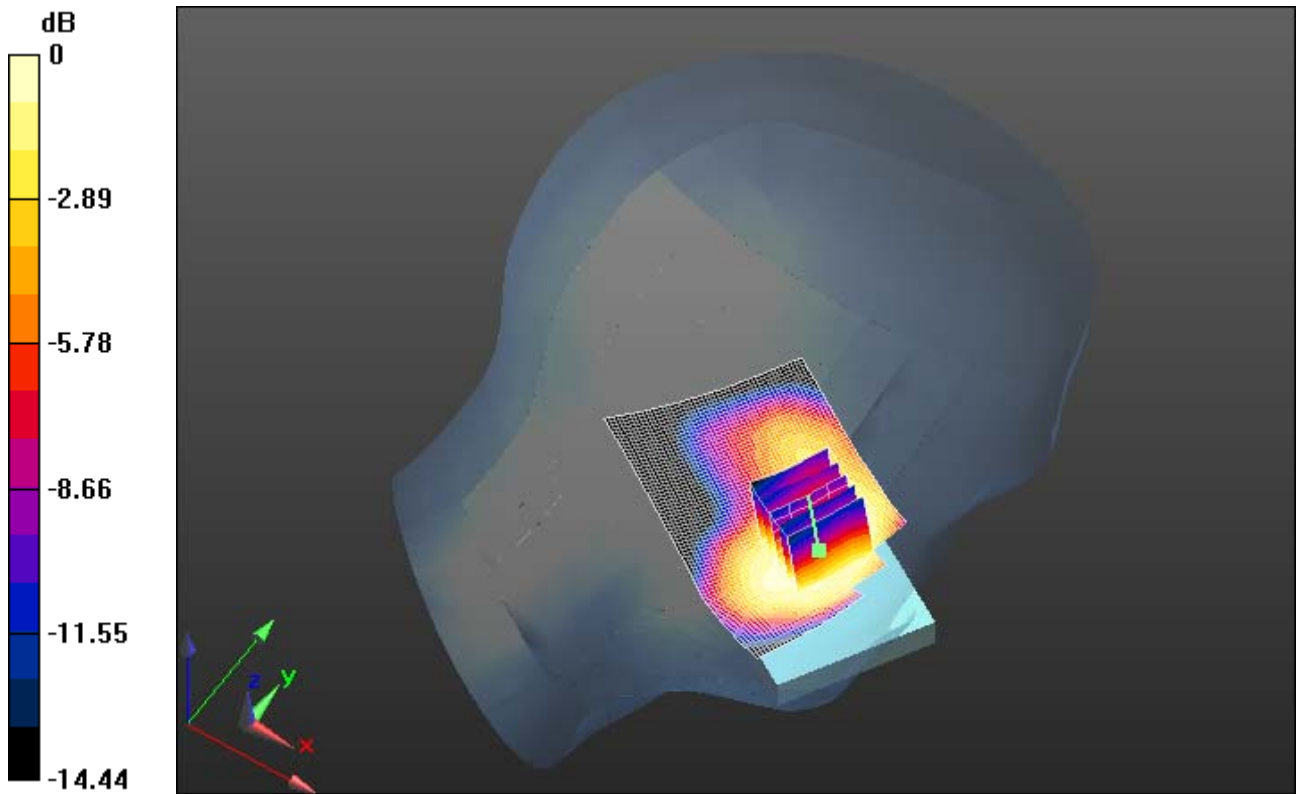
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.840mW/g = -1.51 dB mW/g

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Date/Time: 2/6/2012 9:48:43 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_Tilt\_EDGE1900\_mid\_chan\_amb\_temp\_22.8C\_liq\_temp\_2 0.1C

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: EDGE 1900; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.560 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x6x7)/Cube 0:**

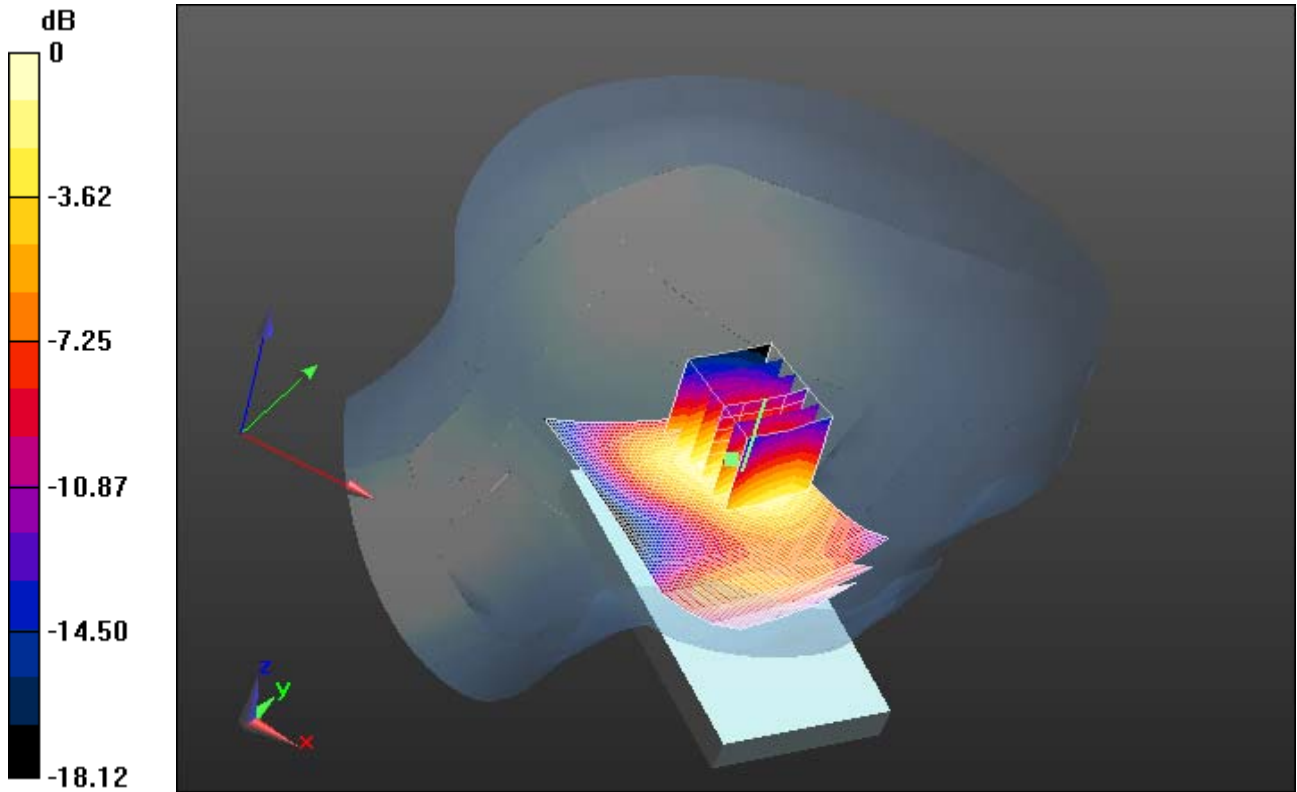
Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 15.180 V/m; Power Drift = 0.04 dB


Peak SAR (extrapolated) = 0.7030

**SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.291 mW/g**

Maximum value of SAR (measured) = 0.504 mW/g



0 dB = 0.500mW/g = -6.02 dB mW/g

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Date/Time: 2/7/2012 11:17:43 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_UMTS\_band\_II\_low\_chan\_amb\_temp\_22.6C\_liq\_temp\_20.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.338$  mho/m;  $\epsilon_r = 40.742$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.601 mW/g


**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

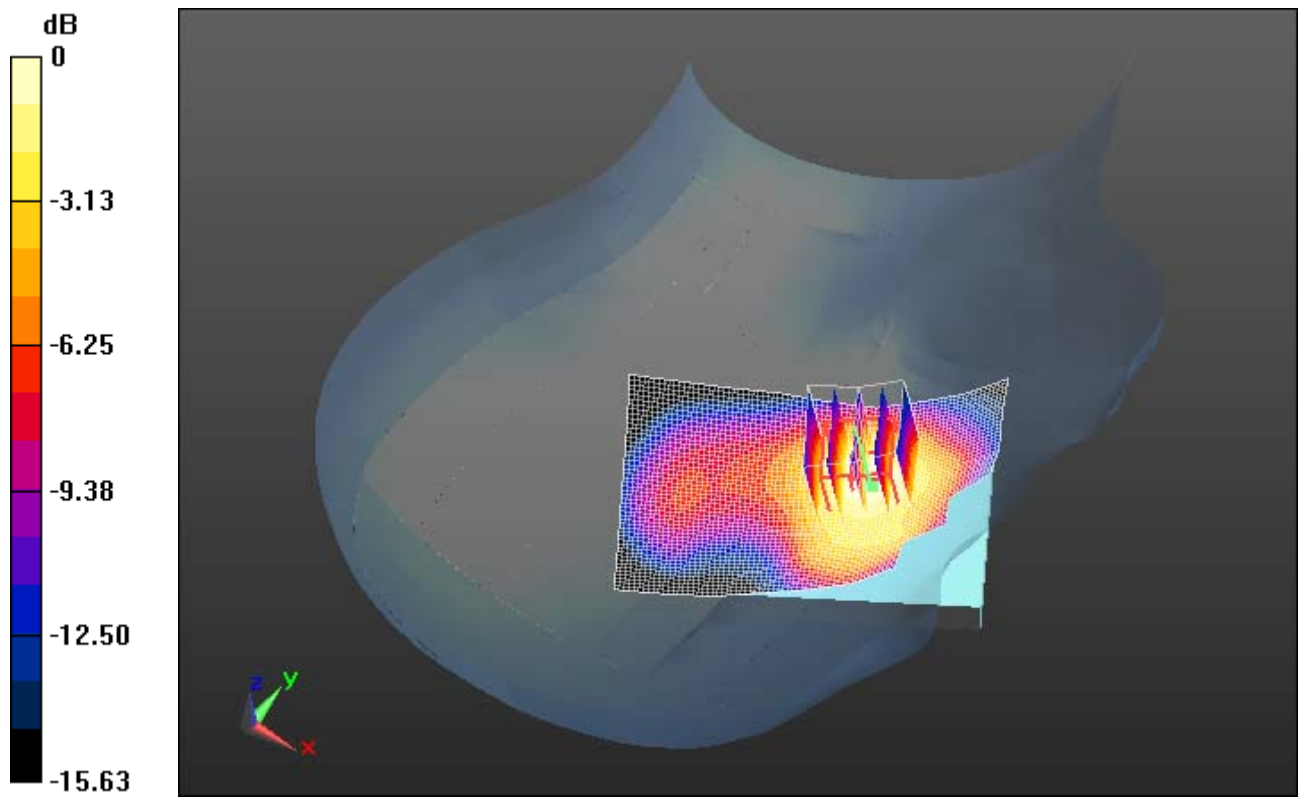
Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 15.252 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 2.0590  
**SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.909 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)


Maximum value of SAR (measured) = 1.613 mW/g



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0 dB = 1.610mW/g = 4.14 dB mW/g

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Date/Time: 2/7/2012 11:02:26 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_22.7C\_liq\_temp\_20.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 1.523 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 15.613 V/m; Power Drift = -0.0017 dB

Peak SAR (extrapolated) = 1.9760

**SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.875 mW/g**

Maximum value of SAR (measured) = 1.537 mW/g

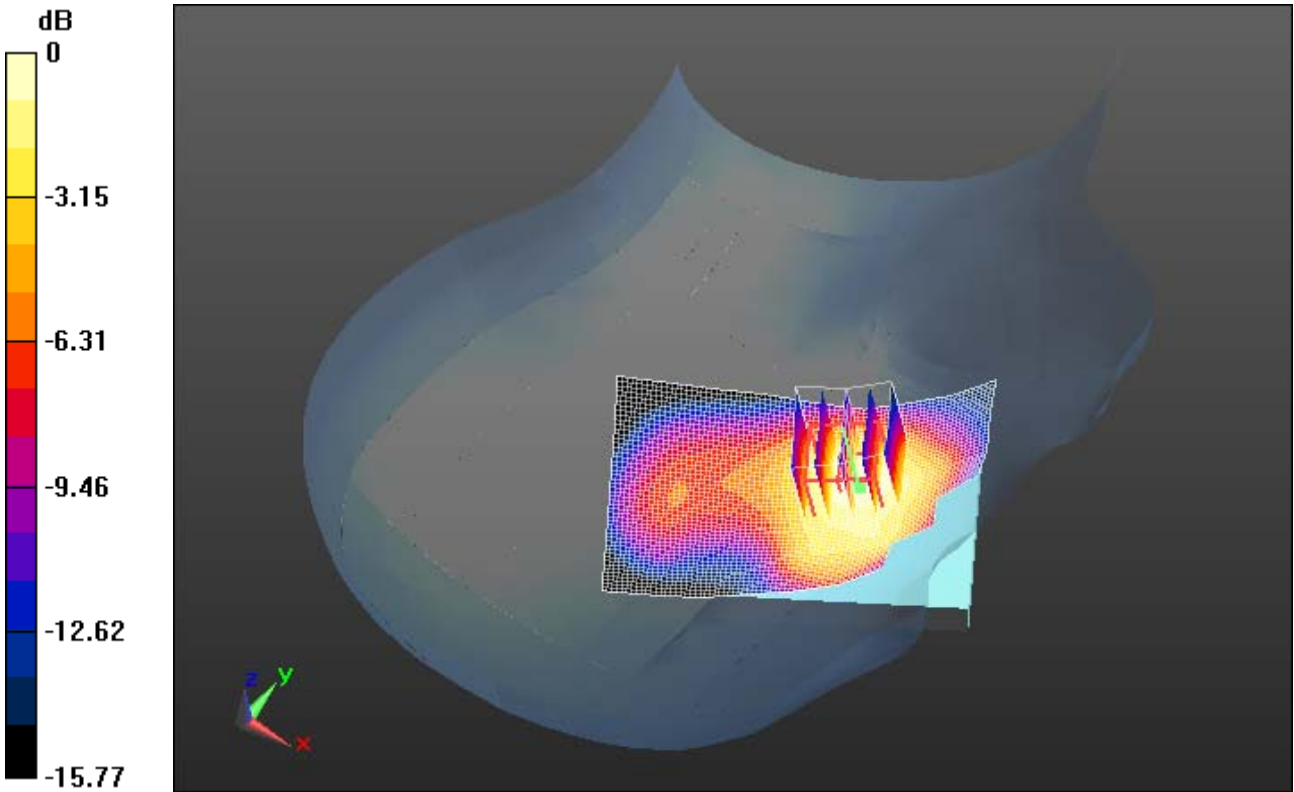
Author Data  
**Andrew Becker**

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0 dB = 1.540mW/g = 3.75 dB mW/g

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Date/Time: 2/7/2012 11:32:47 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_UMTS\_band\_II\_high\_chan\_amb\_temp\_22.6C\_liq\_temp\_20.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz  
Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 40.128$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.474 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 15.338 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 1.9210  
**SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.834 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.420 mW/g

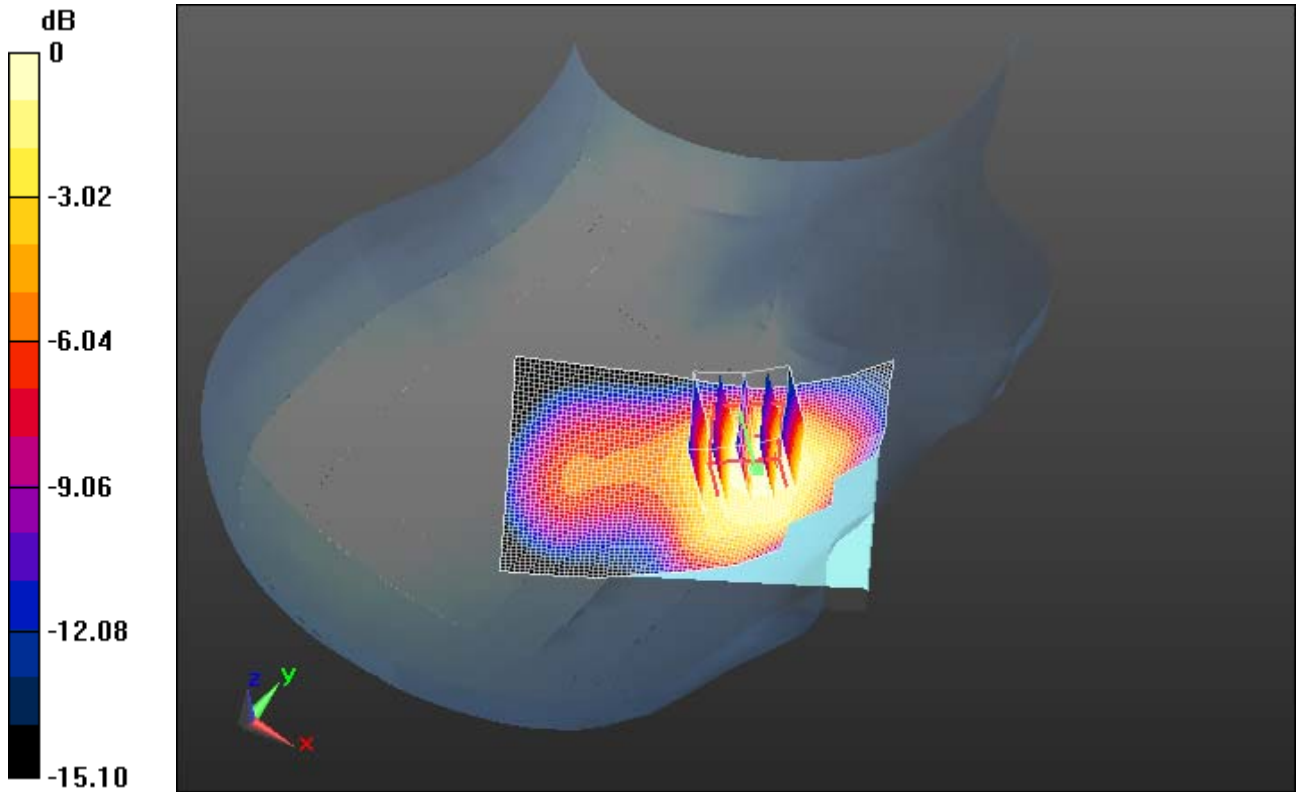
Author Data  
**Andrew Becker**

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0 dB = 1.420mW/g = 3.05 dB mW/g

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Date/Time: 2/8/2012 12:11:24 AM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_22.6C\_liq\_temp\_20.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.716 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**


Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

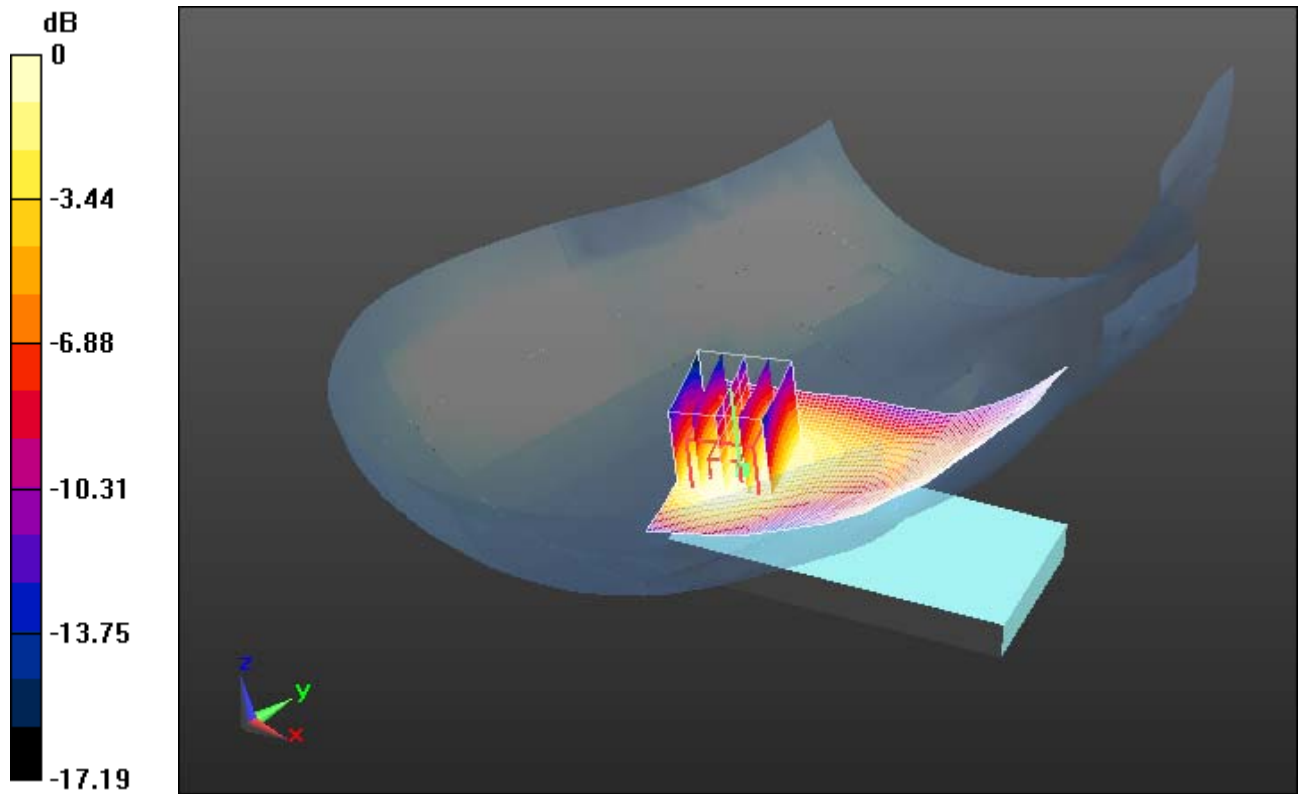
Reference Value = 23.197 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.8620


**SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.396 mW/g**

Maximum value of SAR (measured) = 0.666 mW/g

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0 dB = 0.670mW/g = -3.48 dB mW/g

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Date/Time: 2/7/2012 9:44:10 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_UMTS\_band\_II\_low\_chan\_amb\_temp\_22.6C\_liq\_temp\_2  
0.0C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.338$  mho/m;  $\epsilon_r = 40.742$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.374 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 12.813 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 1.6120  
**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.829 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.303 mW/g



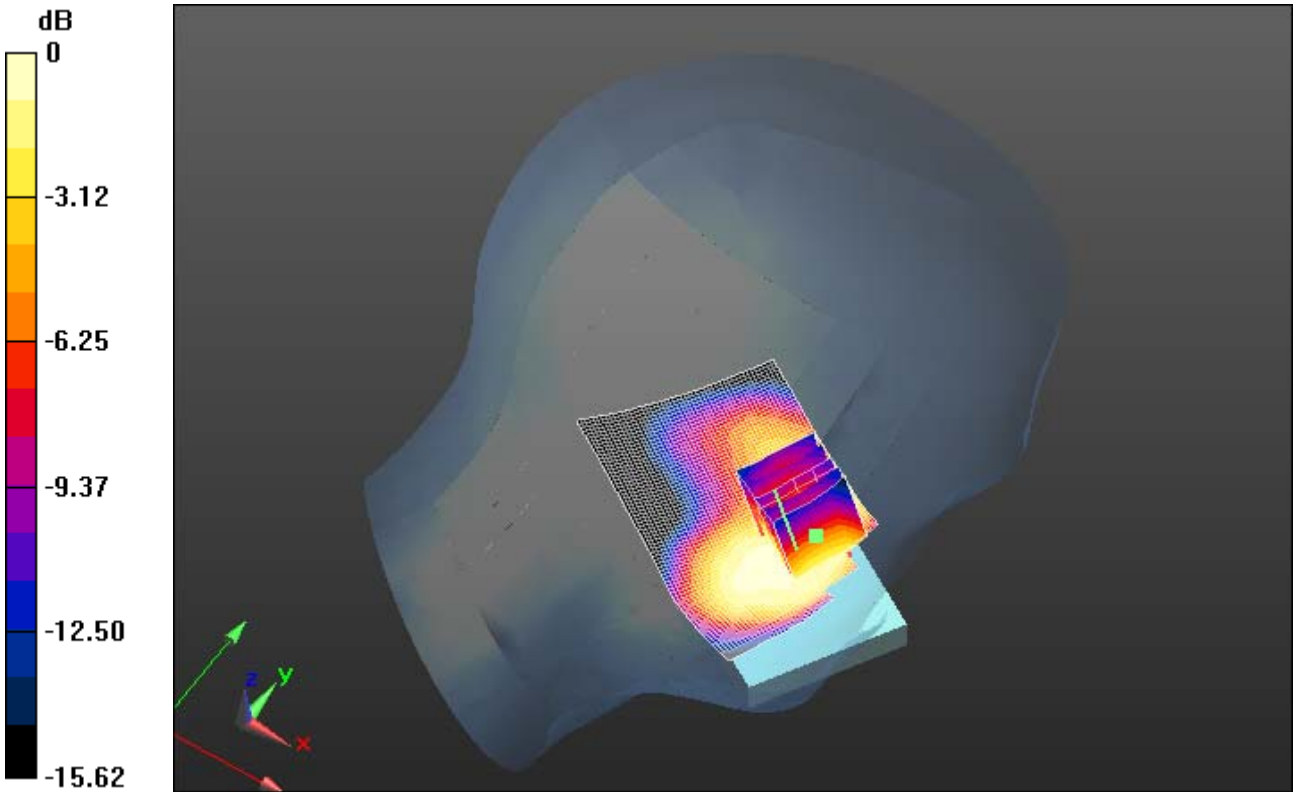
Author Data  
**Andrew Becker**

Dates of Test  
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IC ID  
**2503A-REV70UW**



0 dB = 1.300mW/g = 2.28 dB mW/g

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Date/Time: 2/7/2012 9:30:09 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_22.7C\_liq\_temp\_2  
0.0C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1880 MHz  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (interpolated) = 1.359 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**  
Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 13.199 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 1.6990  
**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.817 mW/g**  
Maximum value of SAR (measured) = 1.309 mW/g

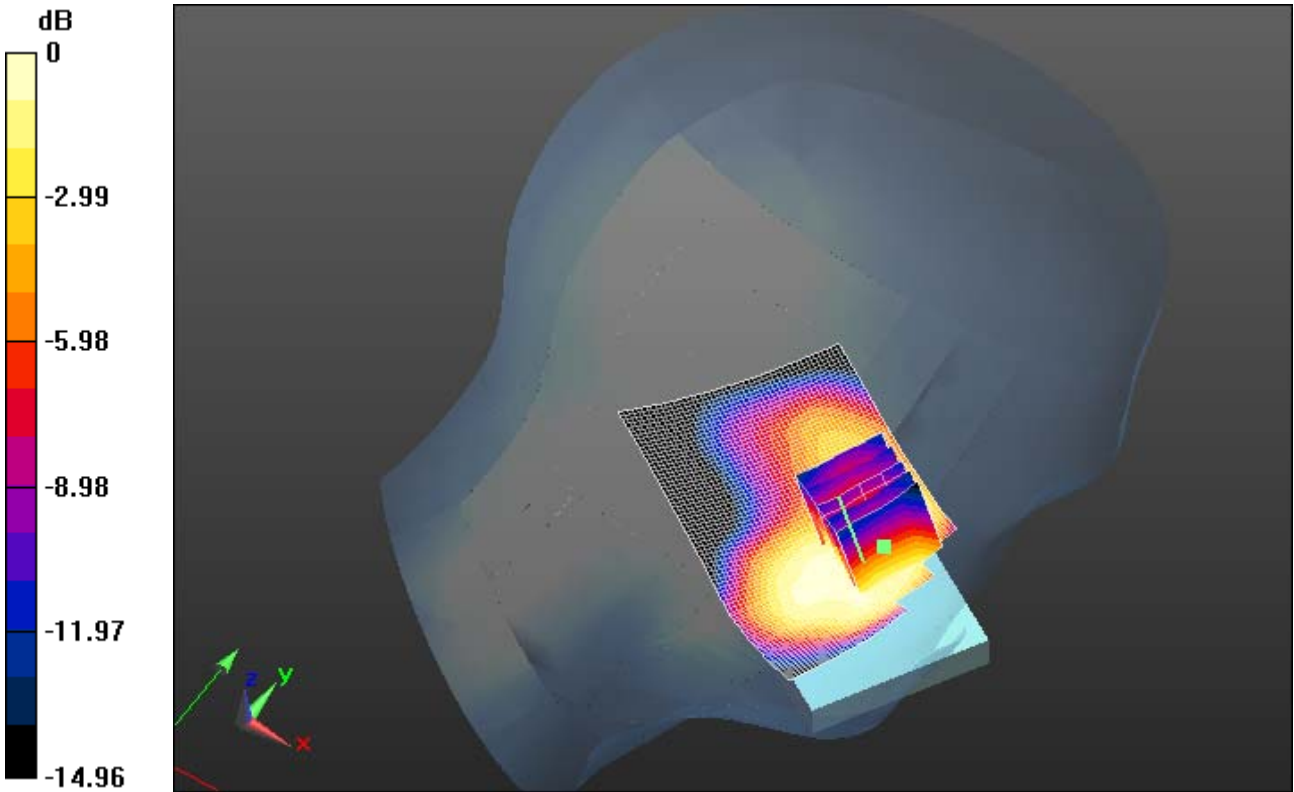
Author Data  
**Andrew Becker**

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**L6AREV70UW**

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0 dB = 1.310mW/g = 2.35 dB mW/g

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Date/Time: 2/7/2012 10:01:00 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_UMTS\_band\_II\_high\_chan\_amb\_temp\_22.7C\_liq\_temp\_2  
0.0C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz  
Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 40.128$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.507 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 13.271 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 1.9140  
**SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.867 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.456 mW/g

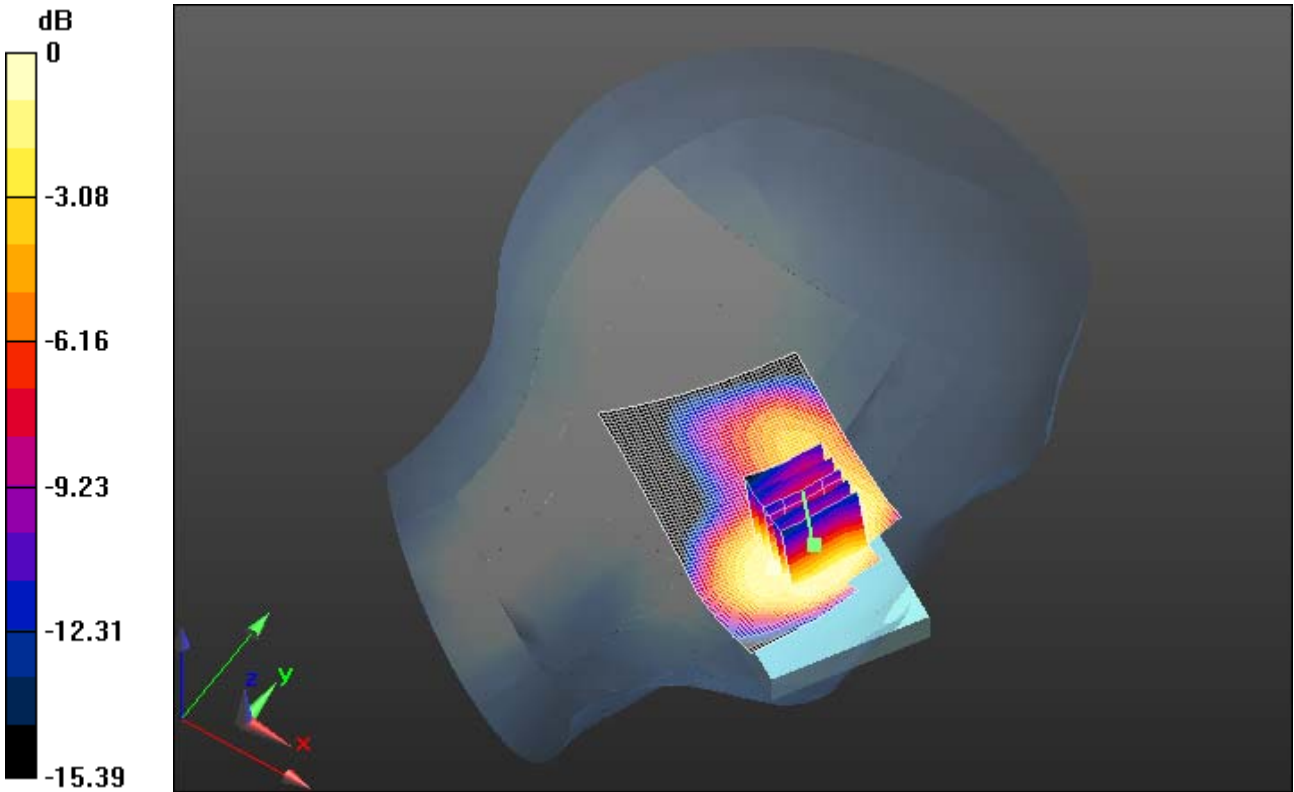
Author Data  
**Andrew Becker**

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0 dB = 1.460mW/g = 3.29 dB mW/g

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Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_22.6C\_liq\_tem  
p\_20.0C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295EC578**

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 40.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.1, 5.1, 5.1); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.843 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x6x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 19.662 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.0330

**SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.436 mW/g**

Maximum value of SAR (measured) = 0.745 mW/g

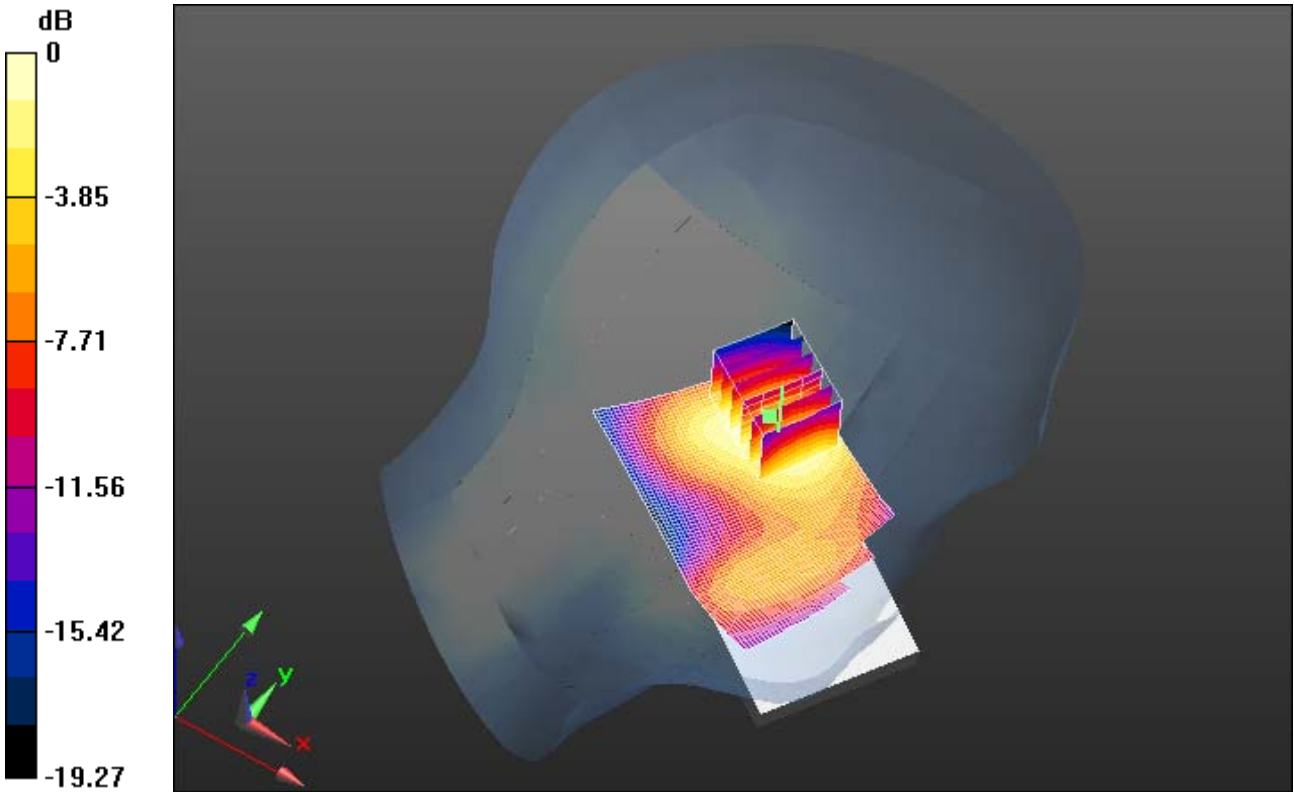
Author Data  
**Andrew Becker**

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0 dB = 0.740mW/g = -2.62 dB mW/g

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Date/Time: 2/16/2012 4:13:26 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_802.11b\_low\_chan\_amb\_temp\_22.6C\_liq\_temp\_20.4C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2412 MHz

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.772$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.284 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 6.371 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.4810

**SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.119 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.296 mW/g



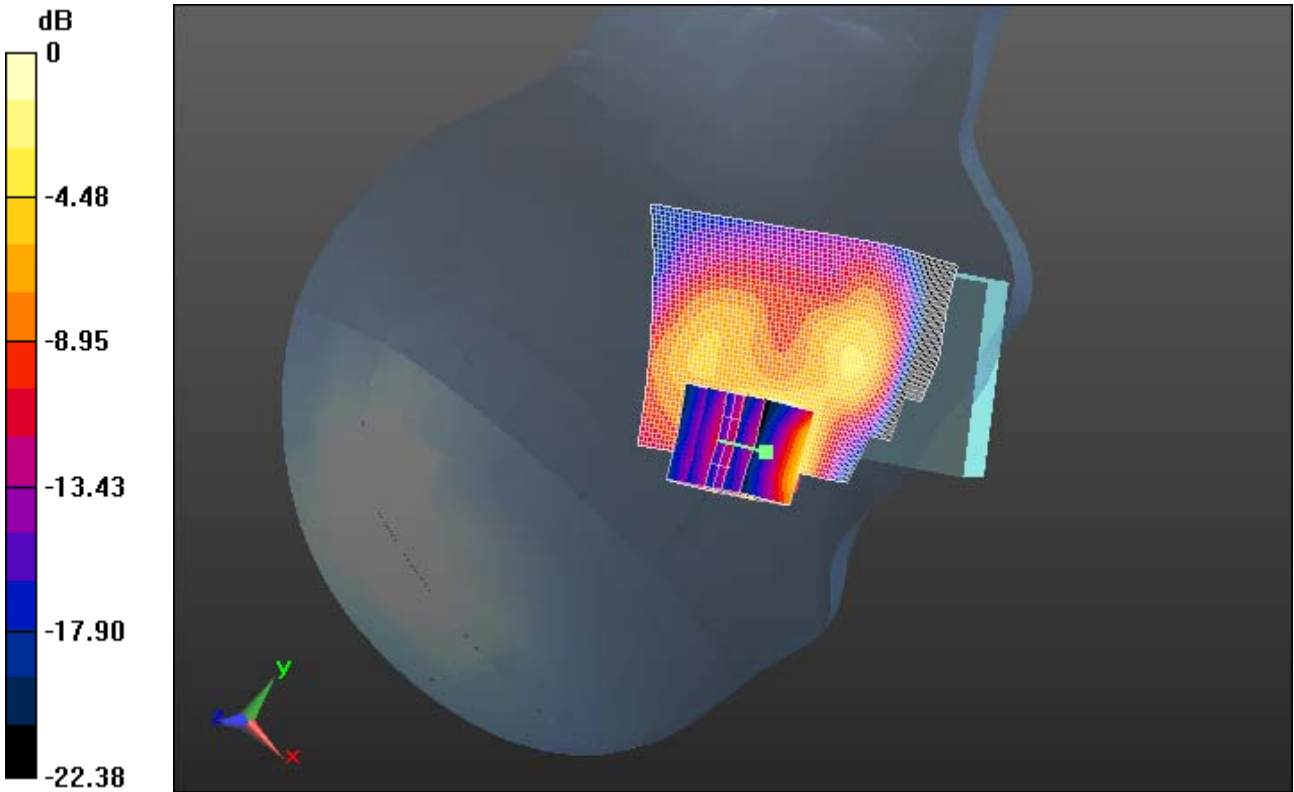
Author Data  
**Andrew Becker**

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0 dB = 0.300mW/g = -10.46 dB mW/g

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Date/Time: 2/16/2012 4:32:26 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_802.11b\_mid\_chan\_amb\_temp\_22.6C\_liq\_temp\_20.4C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2437 MHz

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.798$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.298 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 6.927 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.5070

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.123 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.310 mW/g

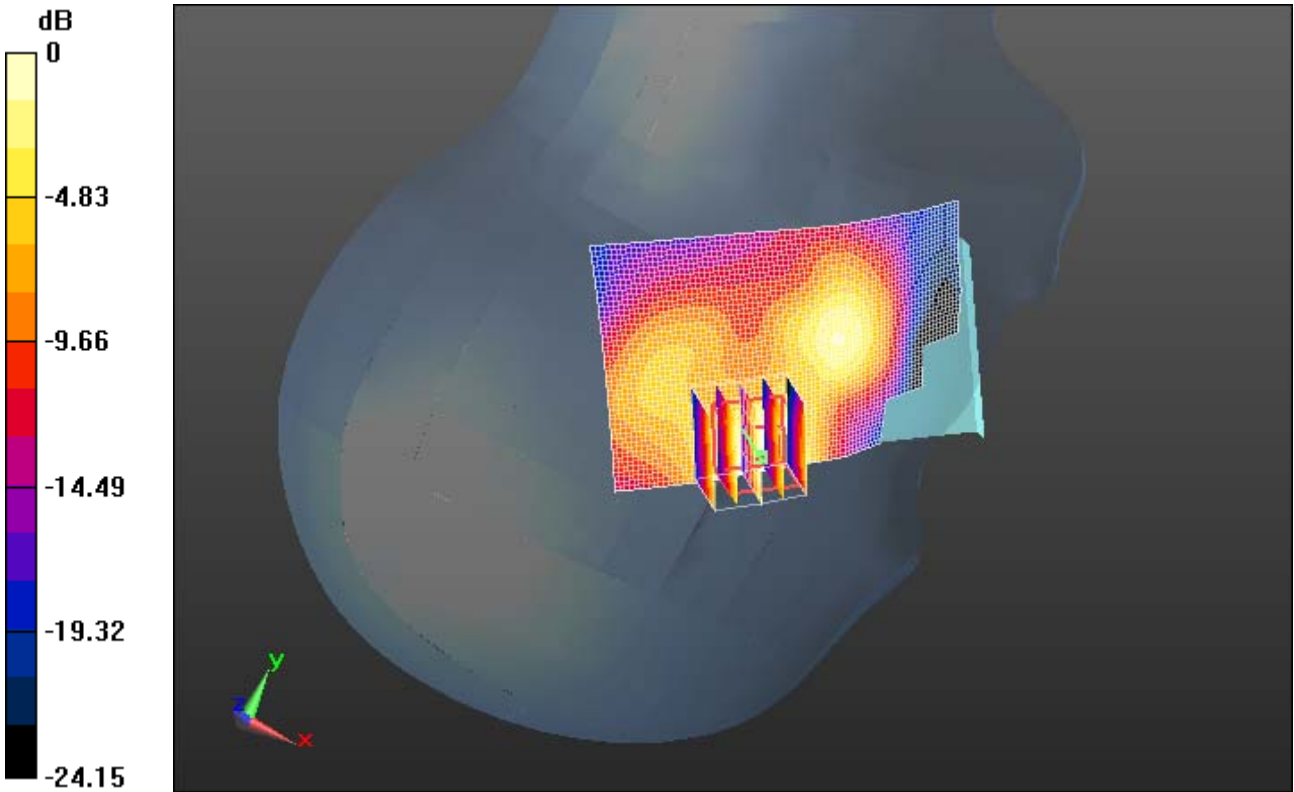
Author Data  
**Andrew Becker**

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0 dB = 0.310mW/g = -10.17 dB mW/g

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Date/Time: 2/16/2012 4:56:13 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_802.11b\_high\_chan\_amb\_temp\_22.6C\_liq\_temp\_20.4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2462 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.828$  mho/m;  $\epsilon_r = 38.068$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.358 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 7.405 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.5670

**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.141 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.363 mW/g

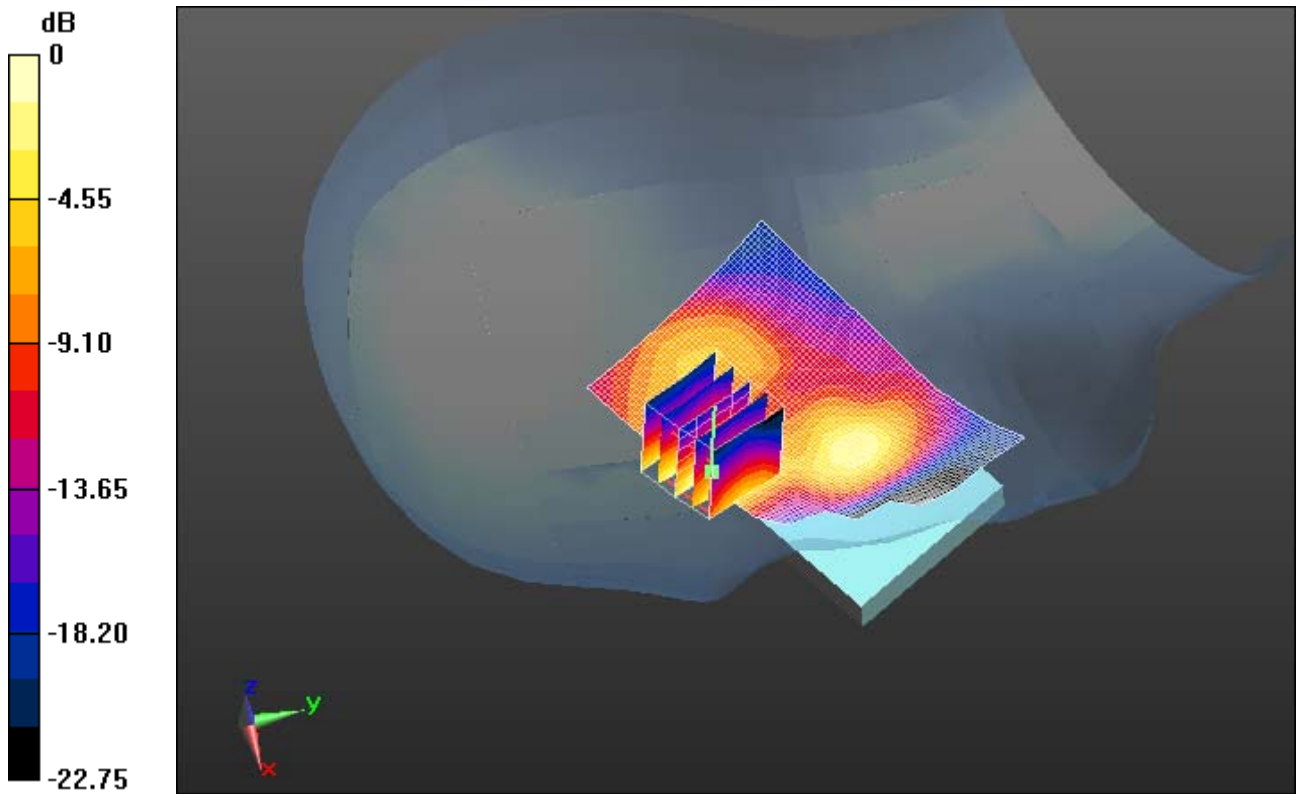
Author Data  
**Andrew Becker**

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0 dB = 0.360mW/g = -8.87 dB mW/g

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Date/Time: 2/16/2012 5:14:22 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_802.11b\_high\_chan\_amb\_temp\_22.7C\_liq\_temp\_20 .4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2462 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.828$  mho/m;  $\epsilon_r = 38.068$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.172 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.597 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.2760

**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.076 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.193 mW/g

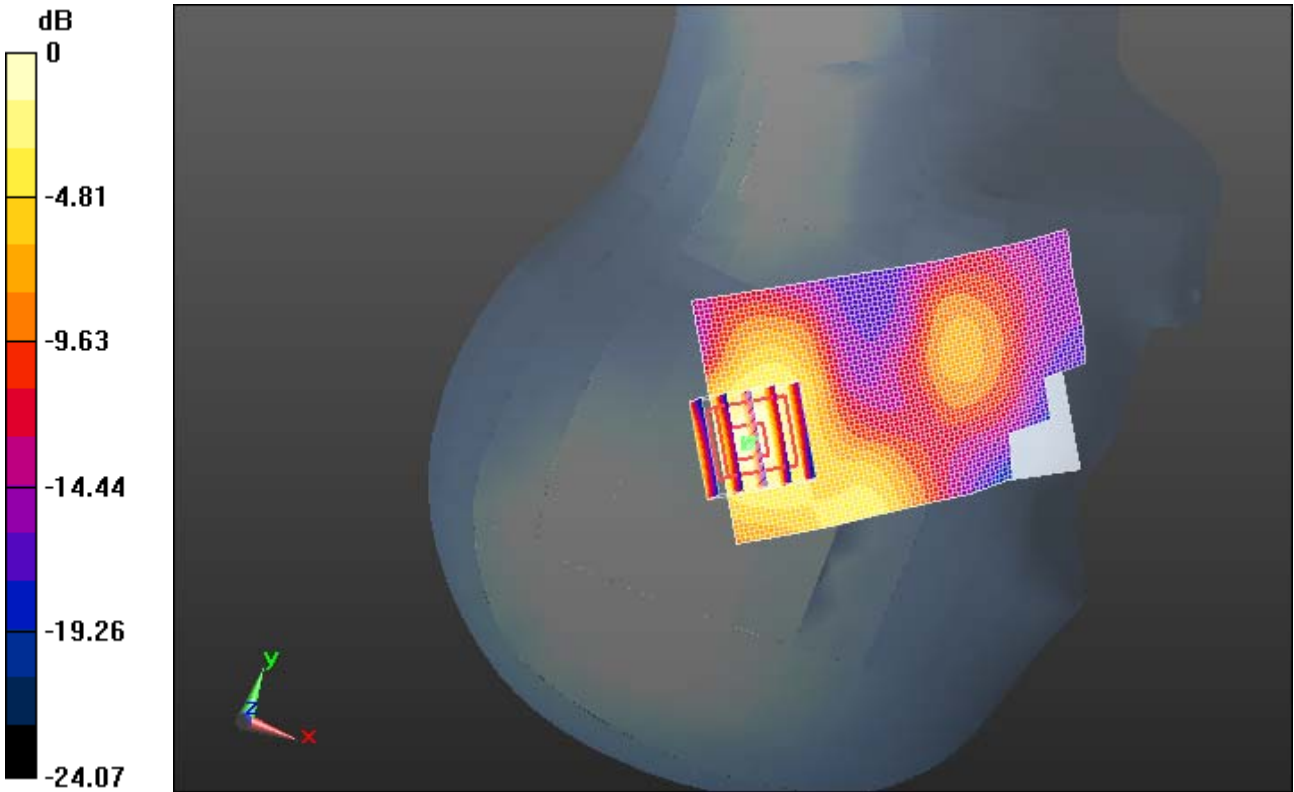
Author Data  
**Andrew Becker**

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0 dB = 0.190mW/g = -14.42 dB mW/g

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Date/Time: 2/16/2012 6:52:58 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_802.11b\_low\_chan\_amb\_temp\_22.7C\_liq\_temp\_20.5C

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2412 MHz

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.772$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.278 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 6.939 V/m; Power Drift = -0.0032 dB

Peak SAR (extrapolated) = 0.4370

**SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.096 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.273 mW/g



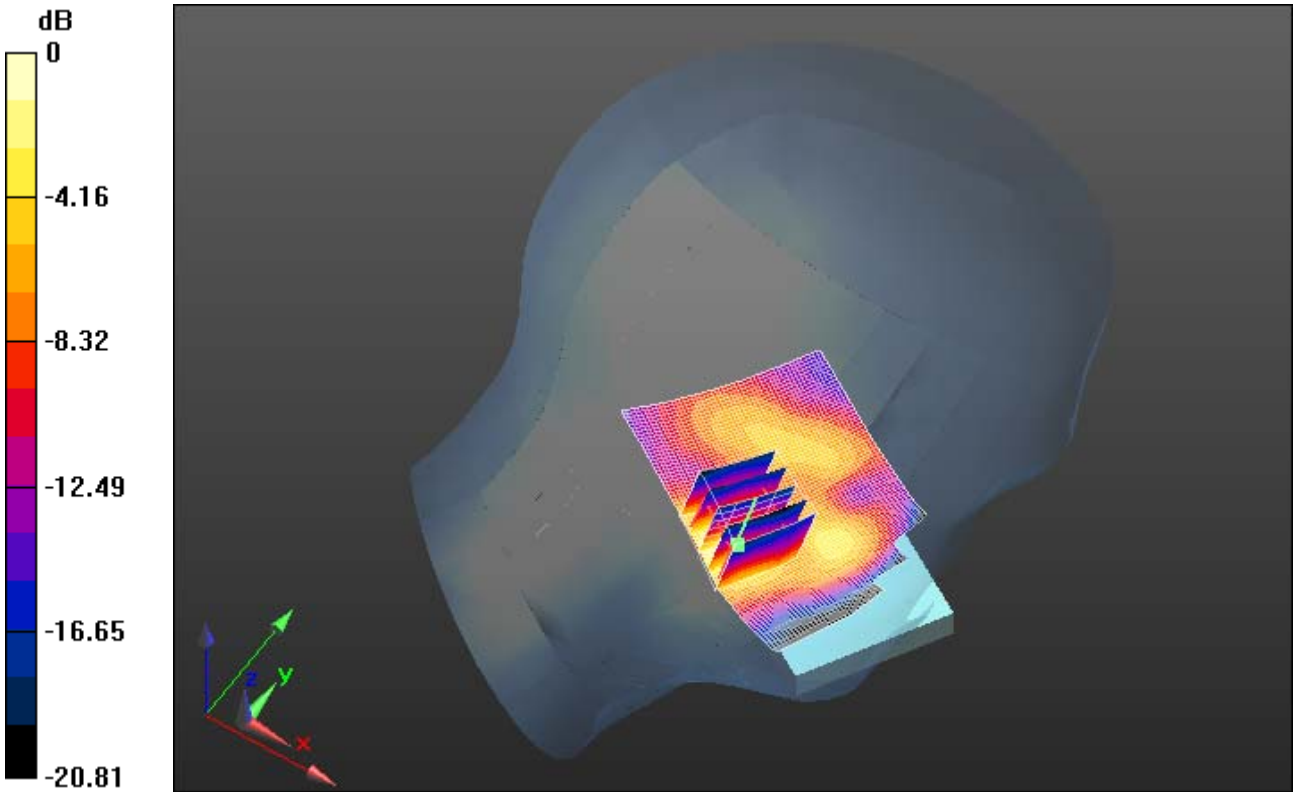
Author Data  
**Andrew Becker**

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0 dB = 0.270mW/g = -11.37 dB mW/g

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Date/Time: 2/16/2012 6:33:07 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_802.11b\_mid\_chan\_amb\_temp\_22.7C\_liq\_temp\_20.5C

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2437 MHz

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.798$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.336 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 7.246 V/m; Power Drift = -0.0036 dB

Peak SAR (extrapolated) = 0.5510

**SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.119 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.343 mW/g

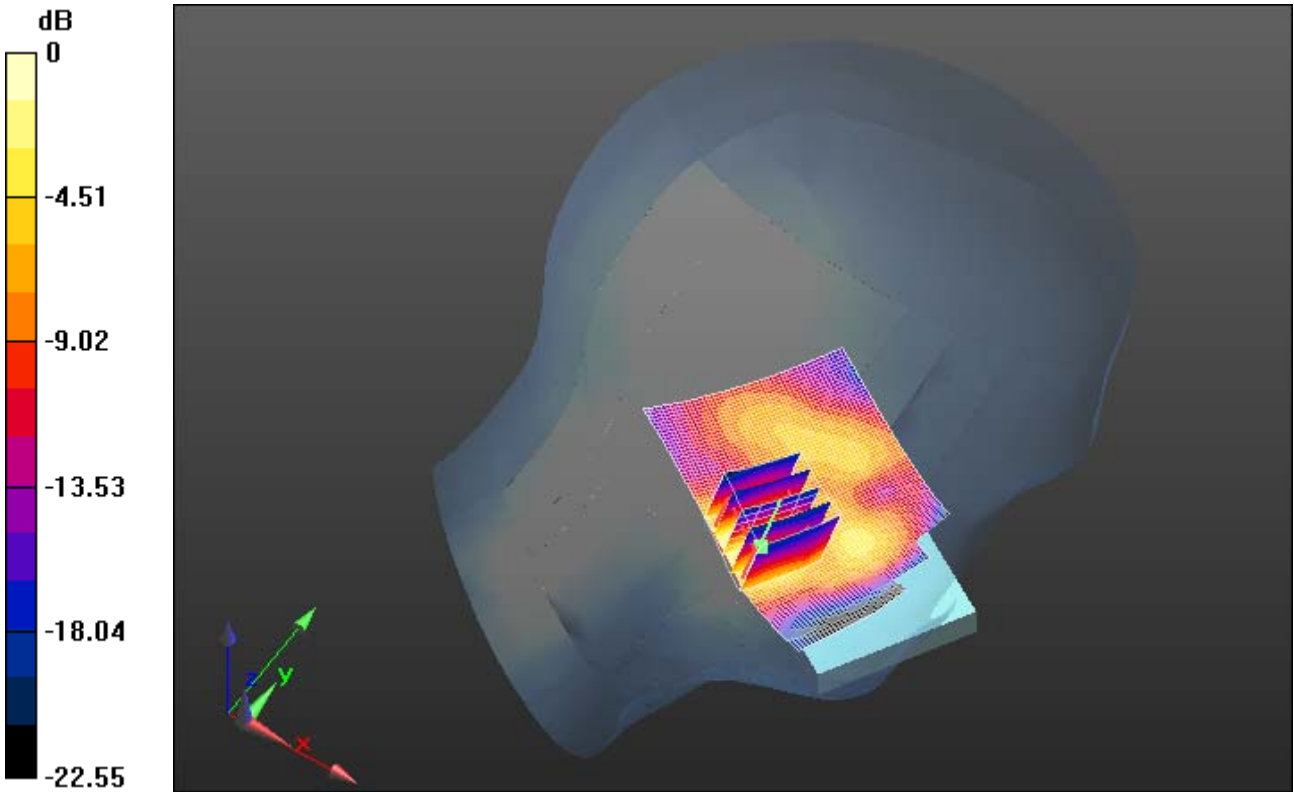
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.340mW/g = -9.37 dB mW/g

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Date/Time: 2/16/2012 7:25:30 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_802.11b\_high\_chan\_amb\_temp\_22.6C\_liq\_temp\_20.5C

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2462 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.828$  mho/m;  $\epsilon_r = 38.068$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.260 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 6.617 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.4170

**SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.091 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.258 mW/g

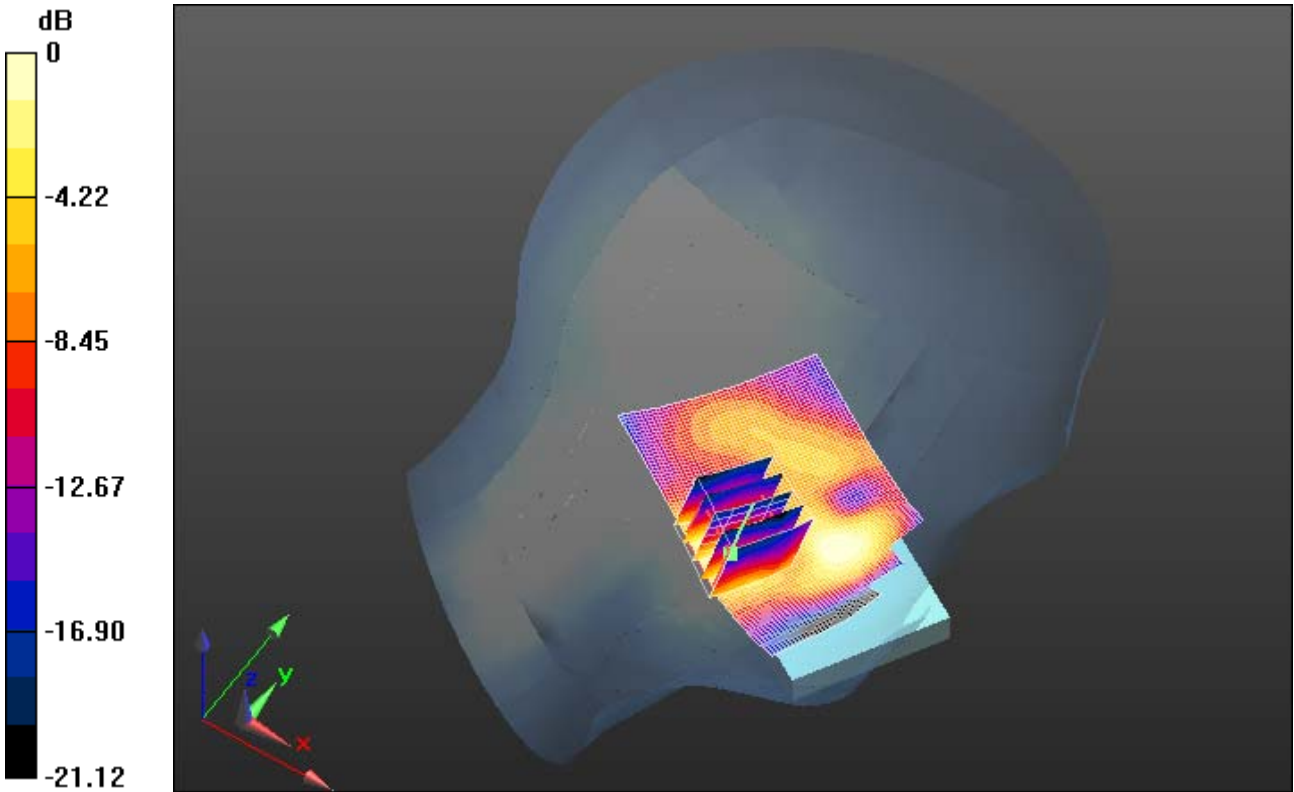
Author Data  
**Andrew Becker**

Dates of Test  
**February 06 – March 6 , 2012**


Test Report No  
**RTS-5992-1203-12**

FCC ID:  
**L6AREV70UW**

IC ID  
**2503A-REV70UW**



0 dB = 0.260mW/g = -11.70 dB mW/g

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Date/Time: 2/16/2012 8:05:02 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_802.11b\_mid\_chan\_amb\_temp\_22.5C\_liq\_temp\_20.5  
C**

**DUT: BlackBerry Smartphone; Type: Sample; Serial: 295B50C4**

Communication System: 802.11 b (2450); Frequency: 2437 MHz

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.798$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Tilt position -/Area Scan (51x81x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.162 mW/g

**Configuration/Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 10.062 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.2460

**SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.065 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.166 mW/g

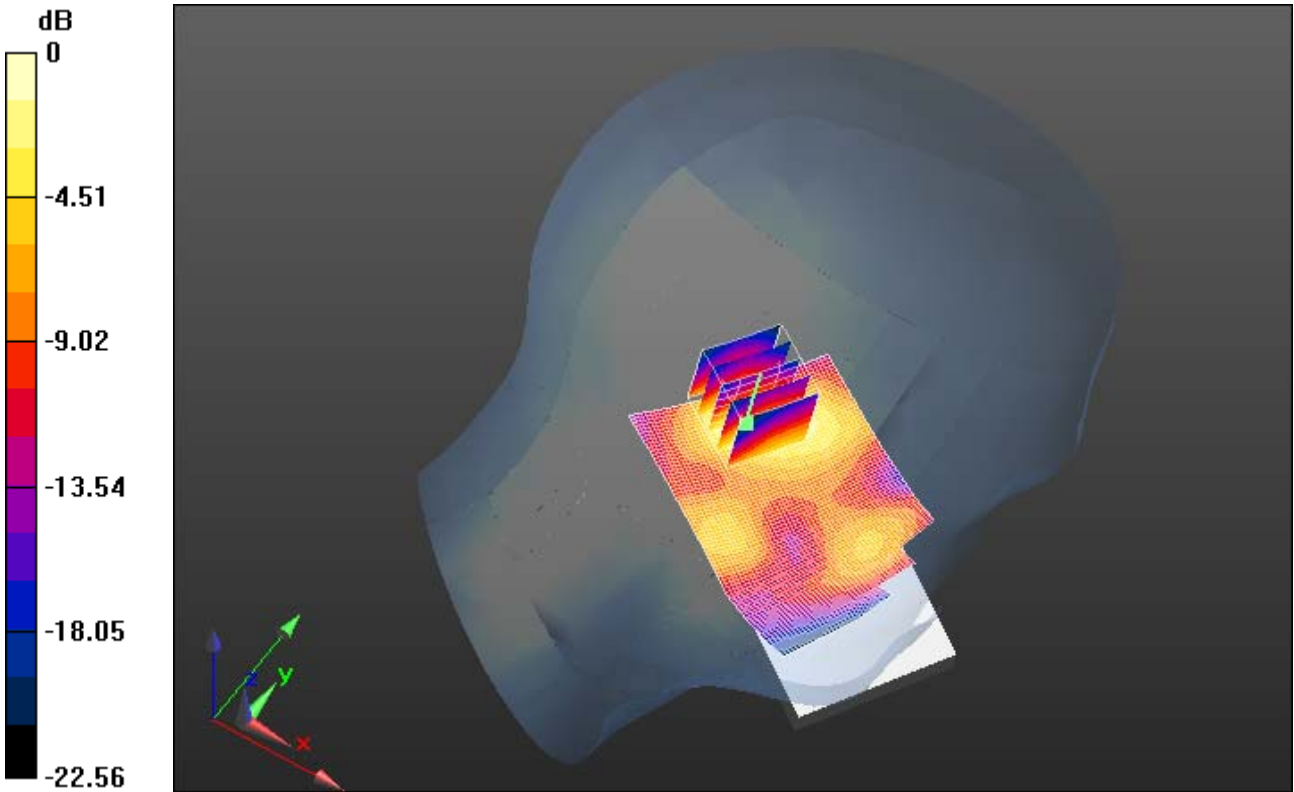
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.170mW/g = -15.39 dB mW/g

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**Z axis plot for the worst case head configuration**

